

Category	Item	class or element	CSS	Sample
Orientation	Horizontal	.hltr	-webkit-writing-mode: horizontal-tb; -epub-writing-mode: horizontal-tb;	<html xmlns="http://www.w3.org/1999/xhtml" xmlns:epub="http://www.idpf.org/2007/ops" xml:lang="ja" class="hltr" >
	Vertical	.vrtl	-webkit-writing-mode: vertical-rl; -epub-writing-mode: vertical-rl;	<html xmlns="http://www.w3.org/1999/xhtml" xmlns:epub="http://www.idpf.org/2007/ops" xml:lang="ja" class="vrtl" >
Horizontal text in vertical orientation	1-3 characters (make image if 4+ characters)	.tcy	-webkit-text-combine: horizontal; -webkit-text-combine-upright: all; text-combine-upright: all; -epub-text-combine: horizontal;	<!-- inline only --> <p>text\$99text</p>
Text direction in vertical orientation	Sideways (rotate right 90°)	.sideways	-webkit-text-orientation: sideways; -epub-text-orientation: sideways;	<!-- inline only --> <p>text~text</p>
	Upright	.upright	-webkit-text-orientation: upright; -epub-text-orientation: upright;	<!-- inline only --> <p>text—text</p>
	Upright 1 half-width character (use for horizontal text in vertical orientation)	.upright-1	-webkit-text-combine: horizontal; -webkit-text-combine-upright: all; text-combine-upright: all; -epub-text-combine: horizontal;	<!-- inline only --> <p>textÉ text</p>
Text decoration	Ming-cho	.mfont	(Horizontal orientation) font-family: serif-ja, serif; (Vertical orientation) font-family: serif-ja-v, serif;	<p>text</p>
	Gothic	.gfont	(Horizontal orientation) font-family: sans-serif- ja, sans-serif; (Vertical orientation) font-family: sans-serif-ja- v, sans-	<p>text</p>
	Text size	.font-*em .font-***per	font-size: [*em *%];	<p>text</p> <p>text</p>
	Bold	.bold	font-weight: bold;	<p>text</p>
	Disable bold	.font-weight- normal	font-weight: normal;	<p>bolddisable
	Italic	.italic	font-style: italic;	<p>text</p>
	Disable italic	.font-style- normal	font-style: normal;	<p>italicdisable
Circled characters/Emphatic lines	Sesame mark	.em-sesame	-webkit-text-emphasis-style: filled sesame; -epub-text-emphasis-style: filled sesame;	<p>textemphatic dottext</p>
	Sesame mark (hollow)	.em-sesame-open	-webkit-text-emphasis-style: open sesame; -epub-text-emphasis-style: open sesame;	<p>textemphatic dottext</p>
	Dot	.em-dot	-webkit-text-emphasis-style: filled dot; -epub-text-emphasis-style: filled dot;	<p>textemphatic dottext</p>
	Dot (hollow)	.em-dot-open	-webkit-text-emphasis-style: open dot; -epub-text-emphasis-style: open dot;	<p>textemphatic dottext</p>
	Circle	.em-circle	-webkit-text-emphasis-style: filled circle; -epub-text-emphasis-style: filled circle;	<p>textemphatic dottext</p>
	Circle (hollow)	.em-circle-open	-webkit-text-emphasis-style: open circle; -epub-text-emphasis-style: open circle;	<p>textemphatic dottext</p>
	Double circle	.em-double- circle	-webkit-text-emphasis-style: filled double-circle; -epub-text-emphasis-style: filled double-circle;	<p>textemphatic dottext</p>
	Double circle (hollow)	.em-double- circle-open	-webkit-text-emphasis-style: open double-circle; -epub-text-emphasis-style: open double-circle;	<p>textemphatic dottext</p>
	Triangle	.em-triangle	-webkit-text-emphasis-style: filled triangle; -epub-text-emphasis-style: filled triangle;	<p>textemphatic dottext</p>
	Triangle (hollow)	.em-triangle- open	-webkit-text-emphasis-style: open triangle; -epub-text-emphasis-style: open triangle;	<p>textemphatic dottext</p>
Emphatic line	Emphatic line	.em-line	[Horizontal orientation (bottom line)] text- decoration: underline; [Vertical orientation (right line)] text- decoration: overline;	<p>text</p>
	Emphatic line on opposite side	.em-line-outside	[Horizontal orientation (top line)] text- decoration: overline; [Vertical orientation (left line)] text-decoration: underline;	<p>text</p>
Negation line		.line-through	text-decoration: line-through;	<p>text</p>
Non-standard kanji image	*Common	img.gaiji img.gaiji-line img.gaiji-wide	display: inline-block; margin: 0; padding: 0; border: none; background: transparent; (Horizontal orientation) vertical-align: text- bottom;	<!-- img only --> <p>texttext</p>
	1-character sized non-standard kanji	img.gaiji	width: 1em; height: 1em;	
	Vertically stretched non- standard kanji	img.gaiji-line	width: 1em; height: auto;	
	Horizontally stretched non- standard kanji	img.gaiji-wide	width: auto; height: 1em;	
Fit image to page		.fit	display: inline-block; page-break-inside: avoid; max-height: 100%; max-width: 100%; (Horizontal orientation) vertical-align: top; (Vertical orientation) vertical-align: baseline;	<!-- img only --> <p></p>
Heading	Heading element	h1 ~ h6	*The default for all headings is Ming-cho 100% size (overwritable)	
	Cover heading	.tobira-midashi	*Not designated	<h1 class="tobira-midashi">text</h1>
	Large heading	.oo-midashi	*Not designated	<h1 class="oo-midashi">text</h1>
	Medium heading	.naka-midashi	*Not designated	<h3 class="naka-midashi">text</h3>
	Small heading	.ko-midashi	*Not designated	<p class="ko-midashi">text</p>
Inline element alignment	Parent element baseline	.valign-baseline	vertical-align: baseline;	<p>texttext</p>
	Parent element subscript	.valign-sub	vertical-align: sub;	<p>texttext</p>
	Parent element superscript	.valign-super	vertical-align: super;	<p>texttext</p>
	Top of line	.valign-top	vertical-align: top;	<p>texttext</p>
	Top of parent element text	.valign-text-top	vertical-align: text-top;	<p>texttext</p>
	Middle of parent element	.valign-middle	vertical-align: middle;	<p>texttext</p>
	Bottom of line	.valign-bottom	vertical-align: bottom;	<p>texttext</p>

	Bottom of parent element text	.valign-text-bottom	vertical-align: text-bottom;	<p>texttext</p>
	Inherit parent element value	.valign-inherit	vertical-align: inherit;	<p>texttext</p>
Superscript		.super	font-size: smaller; vertical-align: super;	<p>y = x2 + 1</p> <p>H2O</p>
Subscript		.sub	font-size: smaller; vertical-align: sub;	<p>H2O</p>
Small script		.kogaki	font-size: 0.75em; [Horizontal orientation (lower left)] padding: 0 0.15em 0 0.1em; vertical-align: baseline; [Vertical orientation (upper right)] padding: 0.1em 0 0.15em 0; vertical-align: super;	<p>飛ンだる</p>
Kunten	Code	.kunten	vertical-align: sub; font-size: 0.67em;	<p>制レ人</p>
	Okurigana	.kunten-okuri	vertical-align: super; font-size: 0.67em;	<p>制スレ人ヲ</p>
Align line	Align text at start	.align-left .align-start	text-align: left;	<div class="align-start"> <p>text</p> </div>
	Center text	.align-center	text-align: center;	<div class="align-center"> <p>text</p> </div>
	Align text at end	.align-right .align-end	text-align: right;	<div class="align-end"> <p>text</p> </div>
	Justify text (End of text is aligned at start)	.align-justify	text-align: justify;	<div class="align-justify"> <p>text</p> </div>
Lower text/Indent	Lower text	.start-0 .start-*em	(Horizontal orientation) margin-left: [0]*em; (Vertical orientation) margin-top: [0]*em;	<div class="start-2em"> <p>text</p> </div>
	Raise text	.end-0 .end-*em	(Horizontal orientation) margin-right: [0]*em; (Vertical orientation) margin-bottom: [0]*em;	<div class="end-2em"> <p>text</p> </div>
	Indent start of line	.indent-0 .indent-*em	text-indent: [0]*em;	<div class="indent-2em"> <p>text</p> </div>
	Indent protruding text (hanging indent)	.h-indent-0 .h-indent-*em	text-indent: [0]*em; (Horizontal orientation) padding-left: [0]*em; (Vertical orientation) padding-top: [0]*em;	<div class="h-indent-2em"> <p>text</p> </div>
Line Space and Kerning	Line Space	.line-height-normal .line-height-*em	line-height: [normal]*;	<!-- block only --> <div class="line-height-1em75"> <p>text</p> </div>
	Kerning	.lspacing-normal .lspacing-0 .lspacing-*em	letter-spacing: [normal 0]*em;	<p>text</p>
Line boundary character check rules	Automatic	.line-break-auto	-webkit-line-break: auto; -epub-line-break: auto;	<p>text</p>
	Loose restrictions	.line-break-loose	-webkit-line-break: loose; -epub-line-break: loose;	<p>text</p>
	Normal	.line-break-normal	-webkit-line-break: normal; -epub-line-break: normal;	<p>text</p>
	Strict restrictions	.line-break-strict	-webkit-line-break: strict; -epub-line-break: strict;	<p>text</p>
Automatic line break rules	Normal	.word-break-normal	-webkit-word-break: normal; -epub-word-break: normal;	<p>text</p>
	Optional position	.word-break-break-all	-webkit-word-break: break-all; -epub-word-break: break-all;	<p>text</p>
	Mid-word line breaks forbidden	.word-break-keep-all	-webkit-word-break: keep-all; -epub-word-break: keep-all;	<p>text</p>
Line break rules for long words	Does not break lines in mid-	.word-wrap-	word-wrap: normal;	<p>text</p>
	Breaks lines in mid-word	.word-wrap-break-word	word-wrap: break-word;	<p>text</p>
Separators	Separator line	hr	border-width: 1px; border-color: #000000; [Horizontal orientation (horizontal line)] margin: 0.5em 0; border-style: solid none none none; [Vertical orientation (vertical line)] margin: 0 0.5em; border-style: none solid none none;	<p>text</p> <hr/> <p>text</p>
Box type	Hide (Cover removed section with surrounding text)	.display-none	display: none;	<p>textHidetext</p>
	Inline designation	.display-inline	display: inline;	<h2 class="display-inline">text</h2>
	Inline block designation	.display-inline-block	display: inline-block;	<p>texttexttext
	Block designation	.display-block	display: block;	<p>text</p>
Margins	All sides	.m-auto .m-0 .m-*em .m-***per	margin: [auto 0]*em*%];	<div class="m-2em50"> <p>text</p> </div>
	Top side of screen (Vertical text: start of line /horizontal text: front of line)	.m-top-auto .m-top-0 .m-top-*em .m-top-***per	margin-top: [auto 0]*em*%];	<div class="m-top-030per"> <p>text</p> </div>
	Left side of screen (Vertical text: back of line /horizontal text: start of line)	.m-left-auto .m-left-0 .m-left-*em .m-left-***per	margin-left: [auto 0]*em*%];	<div class="m-left-030per"> <p>text</p> </div>
	Right side of screen (Vertical text: front of line /horizontal text: end of line)	.m-right-auto .m-right-0 .m-right-*em .m-right-***per	margin-right: [auto 0]*em*%];	<div class="m-right-030per"> <p>text</p> </div>
	Bottom side of screen (Vertical text: end of line /horizontal text: back of line)	.m-bottom-auto .m-bottom-0 .m-bottom-*em .m-bottom-***per	margin-bottom: [auto 0]*em*%];	<div class="m-bottom-030per"> <p>text</p> </div>
	Start of line	.m-start-auto .m-start-0 .m-start-*em .m-start-***per	(Horizontal orientation) margin-left: [auto 0]*em*%]; (Vertical orientation) margin-top: [auto 0]*em*%];	<div class="m-start-2em"> <p>text</p> </div>
	End of line	.m-end-auto .m-end-0 .m-end-*em .m-end-***per	(Horizontal orientation) margin-right: [auto 0]*em*%]; (Vertical orientation) margin-bottom: [auto 0]*em*%];	<div class="m-end-2em50"> <p>text</p> </div>

	Front of line	.m-before-auto .m-before-0 .m-before-*em .m-before-***per	(Horizontal orientation) margin-top: [auto 0 *em *%]; (Vertical orientation) margin-right: [auto 0 *em *%];	<div class="m-before-2em"> <p>text</p> </div>
	Back of line	.m-after-auto .m-after-0 .m-after-*em .m-after-***per	(Horizontal orientation) margin-bottom: [auto 0 *em *%]; (Vertical orientation) margin-left: [auto 0 *em *%];	<div class="m-after-2em50"> <p>text</p> </div>
Padding	All sides	.p-0 .p-*em .p-***per	padding: [0 *em *%];	<div class="p-2em"> <p>text</p> </div>
	Top side of screen (Vertical text: start of line /horizontal text: front of line)	.p-top-0 .p-top-*em .p-top-***per	padding-top: [0 *em *%];	<div class="p-top-030per"> <p>text</p> </div>
	Left side of screen (Vertical text: back of line /horizontal text: start of line)	.p-left-0 .p-left-*em .p-left-***per	padding-left: [0 *em *%];	<div class="p-left-030per"> <p>text</p> </div>
	Right side of screen (Vertical text: front of line /horizontal text: end of line)	.p-right-0 .p-right-*em .p-right-***per	padding-right: [0 *em *%];	<div class="p-right-030per"> <p>text</p> </div>
	Bottom side of screen (Vertical text: end of line /horizontal text: back of line)	.p-bottom-0 .p-bottom-*em .p-bottom-***per	padding-bottom: [0 *em *%];	<div class="p-bottom-030per"> <p>text</p> </div>
	Start of line	.p-start-0 .p-start-*em .p-start-***per	(Horizontal orientation) padding-left: [0 *em *%]; (Vertical orientation) padding-top: [0 *em *%];	<div class="p-start-2em"> <p>text</p> </div>
	End of line	.p-end-0 .p-end-*em .p-end-***per	(Horizontal orientation) padding-right: [0 *em *%]; (Vertical orientation) padding-bottom: [0 *em *%];	<div class="p-end-2em50"> <p>text</p> </div>
	Front of line	.p-before-0 .p-before-*em .p-before-***per	(Horizontal orientation) padding-top: [0 *em *%]; (Vertical orientation) padding-right: [0 *em *%];	<div class="p-before-2em"> <p>text</p> </div>
	Back of line	.p-after-0 .p-after-*em .p-after-***per	(Horizontal orientation) padding-bottom: [0 *em *%]; (Vertical orientation) padding-left: [0 *em *%];	<div class="p-after-2em50"> <p>text</p> </div>
Size	Height	.height-auto .height-*em .height-***per	height: [auto 0 *em *%];	<p></p>
	Maximum height value	.max-height-none .max-height-*em .max-height-***per	max-height: [none *em *%];	<p></p>
	Width	.width-auto .width-*em .width-***per	width: [auto 0 *em *%];	<div class="width-030per"> <p>text</p> </div>
	Maximum width value	.max-width-none .max-width-*em .max-width-***per	max-width: [none *em *%];	<div class="max-width-20em"> <p>text</p> </div>
	Line length direction size	.measure-auto .measure-*em .measure-***per	(Horizontal orientation) width: [auto 0 *em *%]; (Vertical orientation) height: [auto 0 *em *%];	<p></p>
	Line length direction maximum size	.max-measure-none .max-measure-*em .max-measure-***per	(Horizontal orientation) max-width: [none *em *%]; (Vertical orientation) max-height: [none *em *%];	<div class="max-measure-20em"> <p>text</p> </div>
	Line width direction size	.extent-auto .extent-*em .extent-***per	(Horizontal orientation) height: [auto 0 *em *%]; (Vertical orientation) width: [auto 0 *em *%];	<p></p>
	Line width direction maximum size	.max-extent-none .max-extent-*em .max-extent-***per	(Horizontal orientation) max-height: [none *em *%]; (Vertical orientation) max-width: [none *em *%];	<div class="max-extent-20em"> <p>text</p> </div>
Borders	Solid line	.k-solid	border-style: solid solid solid solid; border-width: 1px; border-color: #000000;	<div class="k-solid"> <p>text</p> </div>
	Dotted line	.k-dotted	border-style: dotted dotted dotted dotted; border-width: 2px; border-color: #000000;	<p>texttexttext</p>
	Double line	.k-double	border-style: double double double double; border-width: 4px; border-color: #000000;	<p>texttexttext</p>
	Dashed line	.k-dashed	border-style: dashed dashed dashed dashed; border-width: 1px; border-color: #000000;	<p>texttexttext</p>
Colored borders	Solid line	.k-solid-black .k-solid-gray .k-solid-silver .k-solid-white	border-style: solid solid solid solid; border-width: 1px; border-color: *;	<p>texttexttext</p>
Ruled lines	Solid line	.k-solid-* (top/right/bottom/left /topbottom/right left /start/before/end/after /startend/before after)	border-width: 1px; border-color: #000000; border-style: *;	<p>texttexttext</p>
	Dotted line	.k-dotted-* (top/right/bottom/left /topbottom/right left /start/before/end/after /startend/before after)	border-width: 2px; border-color: #000000; border-style: *;	<p>texttexttext</p>
	Double line	.k-double-* (top/right/bottom/left /topbottom/right left /start/before/end/after /startend/before after)	border-width: 4px; border-color: #000000; border-style: *;	<p>texttexttext</p>

	Dashed line	.k-dashed-* (top/right/bottom/left /topbottom/rightleft /start/before/end/after /startend/beforeafter)	border-width: 1px; border-color: #000000; border-style: *;	<p>texttexttext</p>
	Line width	.k-*px .k-thin .k-medium .k-thick	border-width: [0]*px thin medium thick ;	<p>texttexttext</p>
Aligning block elements	(Horizontal orientation) left side of screen	.block-align-left	margin: 0 auto 0 0;	<!-- block only --> <div class="width-4em block-align-left"> <p>text</p> </div>
	(Horizontal orientation) Centered between left and right sides of screen	.block-align-center	margin: 0 auto;	<!-- block only --> <div class="width-4em block-align-center"> <p>text</p> </div>
	(Horizontal orientation) Right side of screen	.block-align-right	margin: 0 0 0 auto;	<!-- block only --> <div class="width-4em block-align-right"> <p>text</p> </div>
	(Vertical orientation) Top side of screen	.block-align-top	margin: 0 0 auto 0;	<!-- block only --> <div class="height-4em block-align-top"> <p>text</p> </div>
	(Vertical orientation) Centered between top and bottom sides of screen	.block-align-middle	margin: auto 0;	<!-- block only --> <div class="height-4em block-align-middle"> <p>text</p> </div>
	(Vertical orientation) Bottom side of screen	.block-align-bottom	margin: auto 0 0 0;	<!-- block only --> <div class="height-4em block-align-bottom"> <p>text</p> </div>
	Start of line side	.block-align-start	(Horizontal orientation) margin: 0 auto 0 0; (Vertical orientation) margin: 0 0 auto 0;	<!-- block only --> <div class="measure-4em block-align-start"> <p>text</p> </div>
	Center of line	.block-align-center	(Horizontal orientation) margin: 0 auto; (Vertical orientation) margin: auto 0;	<!-- block only --> <div class="measure-4em block-align-center"> <p>text</p> </div>
	End of line side	.block-align-end	(Horizontal orientation) margin: 0 0 0 auto; (Vertical orientation) margin: auto 0 0 0;	<!-- block only --> <div class="measure-4em block-align-end"> <p>text</p> </div>
Page breaks in the same file	Page break immediately after designated block	.pagebreak	page-break-after: always;	<div class="pagebreak"> <p>text</p> </div>
	Page break immediately before designated block	.pagebreak-before	page-break-before: always;	<div class="pagebreak-before"> <p>text</p> </div>
	Page break before and after designated block	.pagebreak-both	page-break-before: always; page-break-after: always;	<div class="pagebreak-both"> <p>text</p> </div>
Designating colors	Text colors for 1C	.color-black .color-dimgray .color-gray .color-darkgray .color-silver .color-gainsboro .color-white .color-transparent	color: *;	<p>text</p>
	Basic text colors	.color-red .color-blue .color-magenta .color-cyan .color-orangered	color: *;	<p>text</p>
	Background colors for 1C	.bg-black .bg-dimgray .bg-gray .bg-darkgray .bg-silver .bg-gainsboro .bg-white .bg-transparent	background-color: *;	<p>text</p>
	Basic background colors	.bg-red .bg-blue .bg-magenta .bg-cyan .bg-orangered	background-color: *;	<p>text</p>
	Inverted black and white text colors	.inverse	color: #ffffff; background: #000000;	<p>text</p>
	Circled characters/Emphatic dot color designation	.em-black	-webkit-text-emphasis-color: #000000; -epub-text-emphasis-color: #000000;	<p>invert black and whiteTextend inversion</p>
	Ruled line colors for 1C	.k-black .k-dimgray .k-gray .k-darkgray .k-silver .k-gainsboro .k-white	border-color: *;	<p>text</p>
	Basic ruled line colors	.k-red .k-blue .k-cyan .k-magenta .k-orangered	border-color: *;	<p>text</p>
	Link underline/Colors	a a:link a:visited a:hover a:focus a:active	*The default is blue text with emphatic line (overwritable)	
	Link underline/Colors (special links)	a.link-** a.link-**:link a.link-*	*Not designated	
	Link underline/Colors (Annotation code side)	a.noteref a.noteref:link a.noteref:visited	*Not designated	
	Link underline/Colors (Annotation side)	a.note a.note:link a.note:visited a.note:hover	*Not designated	
[Reference] Wraparound	Start of line direction	.float-left .float-start	float: left;	<p></p> <p>text</p>
	End of line direction	.float-right .float-end	float: right;	<p></p> <p>text</p>

	No wraparound	.float-none	float: none;	<p></p> <p>text</p>
	Disable wraparound	.float-clear	clear: both;	<div class="float-clear"> <p>text</p> </div>
	Disable start of line direction wraparound	.float-clear-left	clear: left;	<div class="float-clear-start"> <p>text</p> </div>
	Disable end of line direction wraparound	.float-clear-right .float-clear-end	clear: right;	<div class="float-clear-end"> <p>text</p> </div>
Styles for each page	Image pages	.p-image .p-cover	margin: 0; padding: 0; text-align: center;	<body class="p-image">
	Text pages	.p-text .p-titlepage .p-colophon .p-toc .p-caution .p-ad	*Not designated	<body class="p-text">

*For more information, refer to the descriptions in the guidebook and the actual CSS files.