FORMATTING OBJECTS

Pagination and Layout Formatting Objects § 6.4

root (layout-master-set, declarations?, page-sequence+)
[§7.25.11]

declarations (color-profile)+

color-profile EMPTY
[§7.28.7, 7.17.2-3]

page-sequence (title?, static-content*,flow)
[§7.9.1-2, 7.24.1-4, 7.25.6-7, 7.25.9, 7.28.2]

layout-master-set (simple-page-master|
page-sequence-master)+

page-sequence-master (single-page-master-reference|
repeatable-page-master-reference|
repeatable-page-master-alternatives)+
[§7.25.8]

single-page-master-reference EMPTY
[§7.25.9]

repeatable-page-master-reference EMPTY
[§7.25.9, 7.25.10]

repeatable-page-master-alternatives
(conditional-page-master-reference+)
[§7.25.10]

conditional-page-master-reference EMPTY
[§7.25.9, 7.25.14, 7.25.12, 7.25.1]

simple-page-master (region-body, region-before?,
region-after?, region-start?, region-end?)
[§7.10, 7.25.8, 7.25.13, 7.25.15, 7.20.3, 7.27.7]

region-body EMPTY
[§7.7, 7.10, 7.13.4, 7.20.1-3, 7.25.2-3, 7.25.17, 7.27.7]

region-before EMPTY
[§7.7, 7.13.4, 7.20.1-3, 7.25.4, 7.25.16-17, 7.27.7]

region-after EMPTY
[§7.7, 7.13.4, 7.20.1-3, 7.25.4, 7.25.16-17, 7.27.7]

region-start EMPTY
[§7.7, 7.13.4, 7.20.1-3, 7.25.4, 7.25.17, 7.27.7]

region-end EMPTY
[§7.7, 7.13.4, 7.20.1-3, 7.25.4, 7.25.17, 7.27.7]

flow (%block;[1])+
[§7.25.5]

static-content (%block;[1])+
[§7.25.5]

title (#PCDATA|%inline[1])*
[§7.4, 7.6-8, 7.11, 7.15.4, 7.17.1, 7.28.8]

Block-level Formatting Objects § 6.5

block (#PCDATA|%inline;[1]|%block;[1])*
[§7.4, 7.6-10, 7.12, 7.15.1-13, 7.17.1, 7.18.3, 7.19.1-7, 7.20.4,
7.27.4-5, 7.28.2, 7.28.8]

block-container (%block;[1])+
[§7.5, 7.7, 7.10, 7.13.4, 7.14.1, 7.14.4-5, 7.14.12, 7.18.3,
7.19.1-5, 7.20.1-4, 7.27.7, 7.28.2, 7.28.9]

Inline-level Formatting Objects § 6.6

bidi-override (#PCDATA|%inline;[1]|%block;[1])*
[§7.6, 7.8, 7.12, 7.15.4, 7.16.2, 7.16.8, 7.17.1, 7.27.1, 7.27.6,
7.28.2, 7.28.6]

character EMPTY
[§7.6-9, 7.11-12, 7.13.1-3, 7.13.5, 7.15.4, 7.16.1-8, 7.17.1,
7.19.4-5, 7.27.2-5, 7.28.2, 7.28.6, 7.28.8]

initial-property-set EMPTY
[§7.4, 7.6-8, 7.12, 7.15.4, 7.16.2, 7.16.4-6, 7.16.8, 7.17.1,
7.28.2, 7.28.6]

external-graphic EMPTY
[§7.4, 7.6-7, 7.11-12, 7.13.1-5, 7.14.1-5, 7.14.10-12, 7.15.4,
7.15.9, 7.19.4-5, 7.20.1-2, 7.28.1-2, 7.28.7]

instream-foreign-object
(The instream-foreign-object flow object has a child from a non-XSL namespace. The permitted
structure of this child is that defined for that namespace.)

[§7.4, 7.6-7, 7.11-12, 7.13.1-5, 7.14.1-5, 7.14.10-12, 7.15.4,
7.15.9, 7.19.4-5, 7.20.1-2, 7.28.1-2]

inline (#PCDATA|%inline;[1]|%block;[1])*
[§7.4, 7.6-8, 7.11-12, 7.13.1-3, 7.13.5, 7.14.1, 7.14.4-5, 7.15.4,
7.15.13, 7.16.4, 7.17.1, 7.19.3-5, 7.28.2, 7.28.8]

inline-container (%block;[1])+
[§7.7, 7.11-12, 7.13.1-5, 7.14.1, 7.14.4-5, 7.14.12, 7.15.4,
7.19.3-5, 7.20.1-3, 7.27.7, 7.28.2]

leader (#PCDATA|%inline;[1])*
[§7.4, 7.6-8, 7.11-12, 7.13.1-3, 7.13.5, 7.15.4, 7.16.2, 7.16.5,
7.16.8, 7.17.1, 7.19.4-5, 7.21.1-6, 7.27.4-5, 7.28.2, 7.28.8]

page-number EMPTY
[§7.4, 7.6-8, 7.11-12, 7.13.1-3, 7.13.5, 7.15.4, 7.15.13, 7.16.2,
7.16.4-6, 7.16.8, 7.19.4-5, 7.27.4-5, 7.28.2, 7.28.6, 7.28.8]

page-number-citation EMPTY
[§7.4, 7.6-8, 7.11-12, 7.13.1-3, 7.13.5, 7.15.4, 7.15.13, 7.16.2,
7.16.4-6, 7.16.8, 7.19.4-5, 7.27.4-5, 7.28.2, 7.28.5-6, 7.28.8]

Formatting Objects for Tables § 6.7

table-and-caption (table-caption?, table)
[§7.4, 7.6-7, 7.10, 7.12, 7.15.9, 7.18.3, 7.19.1-5, 7.26.7,
7.28.2]

table (table-column*,table-header?, table-footer?,
table-body+)
[§7.4, 7.6-7, 7.10, 7.12, 7.14.1, 7.14.4-5, 7.14.12, 7.18.3,
7.19.1-5, 7.26.1-6, 7.26.16-18, 7.27.7, 7.28.2]

table-column EMPTY
[§7.7, 7.26.1-2, 7.26.4, 7.26.6, 7.26.8-9, 7.26.12-13, 7.28.8]

table-caption (%block;[1])+
[§7.4, 7.6-7, 7.12, 7.14.1, 7.14.4-5, 7.14.12, 7.18.3, 7.19.3,
7.28.2]

table-header (table-row+|table-cell+)
[§7.4, 7.6-7, 7.12, 7.26.1-2, 7.26.4, 7.26.6, 7.28.2, 7.28.8]

table-footer (table-row+|table-cell+)
[§7.4, 7.6-7, 7.12, 7.26.1-2, 7.26.4, 7.26.6, 7.28.2, 7.28.8]

table-body (table-row+|table-cell+)
[§7.4, 7.6-7, 7.12, 7.26.1-2, 7.26.4, 7.26.6, 7.28.2, 7.28.8]

table-row (table-cell+)
[§7.4, 7.6-7, 7.12, 7.14.1, 7.14.4, 7.19.1-5, 7.26.1-2, 7.26.4,
7.26.6, 7.28.2, 7.28.8]

table-cell (%block;[1])+
[§7.4, 7.6-7, 7.12, 7.13.4, 7.13.6, 7.14.1, 7.14.4-5, 7.26.1-2,
7.26.4, 7.26.6, 7.26.8, 7.26.10-11, 7.26.13-15, 7.28.2, 7.14.12]

Formatting Objects for Lists § 6.8

list-block (list-item+)
[§7.4, 7.6-7, 7.10, 7.12, 7.19.1-5, 7.28.2, 7.18.3, 7.28.3-4]

list-item (list-item-label,list-item-body)
[§7.4, 7.6-7, 7.10, 7.12, 7.19.1-5, 7.28.2, 7.18.3, 7.13.6]

list-item-body (%block;[1])+
[§7.4, 7.19.3, 7.28.2]

list-item-label (%block;[1])+
[§7.4, 7.19.3, 7.28.2]

Dynamic Effects: Link and Multi Formatting Objects § 6.9

basic-link (#PCDATA|%inline;[1]|%block;[1])*
[§7.4, 7.6-7, 7.11-12, 7.13.1-3, 7.13.5, 7.15.4, 7.19.3-5, 7.22.5-
9, 7.22.12-14, 7.28.2]

multi-switch (multi-case+)
[§7.4, 7.22.2, 7.28.2]

multi-case (#PCDATA|%inline;[1]|%block;[1])*
[§7.4, 7.22.3-4, 7.22.10, 7.28.2]

multi-toggle (#PCDATA|%inline;[1]|%block;[1])*
[§7.4, 7.22.11, 7.28.2]

multi-properties (multi-property-set+,wrapper)
[§7.4, 7.28.2]

multi-property-set EMPTY
[§7.22.1, 7.28.2]

Out-of-Line Formatting Objects § 6.10

float (%block;[1])+
[§7.18.1-2]

footnote (%inline;[1],footnote-body)
[§7.4]

footnote-body (%block;[1])+
[§7.4]

Other Formatting Objects § 6.11

wrapper (#PCDATA|%inline;[1]|%block;[1])*
[§ 7.28.2]

marker (#PCDATA|%inline;[1]|%block;[1])*
[§ 7.23.1]

retrieve-marker EMPTY
[§7.23.2-4]

[1] The parameter entity, "%block;" in the content models below, contains the following formatting objects:

block	table-and-caption	list-block
block-container	table	

[1] The parameter entity, "%inline;" in the content models below, contains the following formatting objects:

bidi-override	inline	page-number-citation
character	inline-container	basic-link
external-graphic	leader	multi-toggle
instream-foreign-object	page-number	

The following formatting objects are "neutral" containers and may be used, provided that the additional constraints listed
under each formatting object are satisfied, anywhere where #PCDATA, %block;, or %inline; are allowed:

multi-switch	wrapper
multi-properties	retrieve-marker

The following "out-of-line" formatting objects may be used anywhere where #PCDATA, %block;, or %inline; are allowed
(except as a descendant of any "out-of-line" formatting object):

float

The following "out-of-line" formatting objects may be used anywhere where #PCDATA or %inline; are allowed (except as
a descendant of any "out-of-line" formatting object):

footnote

FORMATTING PROPERTIES

Common Accessibility Properties § 7.4

1.source-document	2.role

Common Absolute Position Properties § 7.5

1.absolute-position	3.right	5.left
2.top	4.bottom	

Common Aural Properties § 7.6

1.azimuth	7.pitch	13.speak-numeral
2.cue-after	8.pitch-range	14.speak-punctuation
3.cue-before	9.play-during	15.speech-rate
4.elevation	10.richness	16.stress
5.pause-after	11.speak	17.voice-family
6.pause-before	12.speak-header	18.volume

Common Border, Padding, and Background Properties § 7.7

1.background-attachment	20.border-top-style
2.background-color	21.border-top-width
3.background-image	22.border-bottom-color
4.background-repeat	23.border-bottom-style
5.background-position-horizontal	24.border-bottom-width
6.background-position-vertical	25.border-left-color
7.border-before-color	26.border-left-style
8.border-before-style	27.border-left-width
9.border-before-width	28.border-right-color
10.border-after-color	29.border-right-style
11.border-after-style	30.border-right-width
12.border-after-width	31.padding-before
13.border-start-color	32.padding-after
14.border-start-style	33.padding-start
15.border-start-width	34.padding-end
16.border-end-color	35.padding-top
17.border-end-style	36.padding-bottom

| 18.border-end-width | 37.padding-left |
| 19.border-top-color | 38.padding-right |

Common Font Properties — § 7.8

1.Fonts and Font Data	4.font-size	7.font-style
2.font-family	5.font-stretch	8.font-variant
3.font-selection-strategy	6.font-size-adjust	9.font-weight

Common Hyphenation Properties — § 7.9

1.country	3.script	5.hyphenation-character
2.language	4.hyphenate	6.hyphenation-push-character-count
		7.hyphenation-remain-character-count

Common Margin Properties-Block — § 7.10

| 1.margin-top | 3.margin-left | 5.space-before | 7.start-indent |
| 2.margin-bottom | 4.margin-right | 6.space-after | 8.end-indent |

Common Margin Properties-Inline — § 7.11

| 1.space-end | 2.space-start |

Common Relative Position Properties — § 7.12

| 1.relative-position |

Area Alignment Properties — § 7.13

| 1.alignment-adjust | 3.baseline-shift | 5.dominant-baseline |
| 2.alignment-baseline | 4.display-align | 6.relative-align |

Area Dimension Properties — § 7.14

1.block-progression-dimension	6.max-height	10.scaling
2.content-height	7.max-width	11.scaling-method
3.content-width	8.min-height	12.width
4.height	9.min-width	
5.inline-progression-dimension		

Block and Line-related Properties — § 7.15

1.hyphenation-keep	8.space-treatment
2.hyphenation-ladder-count	9.text-align
3.last-line-end-indent	10.text-align-last
4.line-height	11.text-indent
5.line-height-shift-adjustment	12.white-space-collapse
6.line-stacking-strategy	13.wrap-option
7.linefeed-treatment	

Character Properties — § 7.16

1.character	4.text-decoration	7.treat-as-word-space
2.letter-spacing	5.text-shadow	8.word-spacing
3.suppress-at-line-break	6.text-transform	

Color-related Properties — § 7.17

| 1.color | 2.color-profile-name | 3.rendering-intent |

Float-related Properties — § 7.18

| 1.clear | 2.float | 3.intrusion displace |

Keeps and Breaks Properties — § 7.19

| 1.break-after | 3.keep-together | 5.keep-with-previous | 7.widows |
| 2.break-before | 4.keep-with-next | 6.orphans | |

Layout-related Properties — § 7.20

| 1.clip | 2.overflow | 3.reference-orientation | 4.span |

Leader and Rule Properties — § 7.21

| 1.leader-alignment | 3.leader-pattern-width | 5.rule-style |
| 2.leader-pattern | 4.leader-length | 6.rule-thickness |

Properties for Dynamic Effects Formatting Objects — § 7.22

1.active-state	8.internal-destination
2.auto-restore	9.show-destination
3.case-name	10.starting-state
4.case-title	11.switch-to
5.destination-placement-offset	12.target-presentation-context
6.external-destination	13.target-processing-context
7.indicate-destination	14.target-stylesheet

Properties for Markers — § 7.23

| 1.marker-class-name | 3.retrieve-position |
| 2.retrieve-class-name | 4.retrieve-boundary |

Properties for Number to String Conversion — § 7.24

| 1.format | 2.grouping-separator | 3.grouping-size | 4.letter-value |

Pagination and Layout Properties — § 7.25

1.blank-or-not-blank	7.initial-page-number	13.page-height
2.column-count	8.master-name	14.page-position
3.column-gap	9.master-reference	15.page-width
4.extent	10.maximum-repeats	16.precedence
5.flow-name	11.media-usage	17.region-name
6.force-page-count	12.odd-or-even	

Table Properties — § 7.26

1.border-after-precedence	10.empty-cells
2.border-before-precedence	11.ends-row
3.border-collapse	12.number-columns-repeated
4.border-end-precedence	13.number-columns-spanned
5.border-separation	14.number-rows-spanned
6.border-start-precedence	15.starts-row
7.caption-side	16.table-layout
8.column-number	17.table-omit-footer-at-break
9.column-width	18.table-omit-header-at-break

Writing-mode-related Properties — § 7.27

1.direction	4.text-altitude	6.unicode-bidi
2.glyph-orientation-horizontal	5.text-depth	7.writing-mode
3.glyph-orientation-vertical		

Miscellaneous Properties — § 7.28

1.content-type	6.score-spaces
2.id	7.src
3.provisional-label-separation	8.visibility
4.provisional-distance-between-starts	9.z-index
5.ref-id	

Shorthand Properties — § 7.29

1.background	9.border-spacing	17.page-break-before
2.background-position	10.border-top	18.page-break-inside
3.border	11.border-width	19.pause
4.border-bottom	12.cue	20.position
5.border-color	13.Font	21.size
6.border-left	14.margin	22.vertical-align
7.border-right	15.padding	23.white-space
8.border-style	16.page-break-after	24.xml:lang

Core Function Library

Number Functions — § 5.10.1

```
numeric floor(numeric)                    numeric min(numeric, numeric)
numeric ceiling(numeric)                  numeric max(numeric, numeric)
numeric round(numeric)                    numeric abs(numeric)
color rgb(numeric, numeric, numeric)      color system-color(NCName)
color rgb-icc(numeric, numeric, numeric, NCName, numeric, numeric)
```

Font Functions — § 5.10.2

```
object system-font(NCName, NCName?)
```

Property Value Functions — § 5.10.3

```
object inherited-property-value(NCName?)
numeric label-end()
numeric body-start()
object from-parent(NCName?)
object from-nearest-specified-value(NCName?)
object from-table-column(NCName?)
numeric proportional-column-width(numeric)
object merge-property-values(NCName?)
```

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deepX

Quick Reference

XSL
Version 1.0

W3C Recommendation
15 October 2001

http://www.w3.org/TR/xsl/

Table of Contents:

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