

Property Function Tests

Function: object from-parent(**NCName**)

The from-parent function returns a computed value of the property whose name matches the argument specified. The value returned is that for the parent of the formatting object for which the expression is evaluated. If there is no parent, the value returned is the initial value. If the argument specifies a shorthand property and if the expression only consists of the from-parent function with an argument matching the property being computed, it is interpreted as an expansion of the shorthand with each property into which the shorthand expands, each having a value of from-parent with an argument matching the property. It is an error if arguments matching a shorthand property are used in any other way.

Here is a nested block with font-size = from-parent(font-size) - 2pt. Since its parent has font-size=12pt, that should mean 10pt. It should keep the line height of 1.25em, which means 12.5pt leading. It's space-before value is set to the space-after value from its parent. Note that neither of these are inheritable. Does it look right?

Here is a nested block with text 2pt larger than its parent (that should be 14pt). This parent is indented 1cm on both start and end directions with respect to the values from its parent (which aren't specified, so they default to 0.0). The color is set to 50% (using the rgb function with % arguments, and the background color for this block is black (specified as a keyword). In this block, we'll put an inline block whose background and foreground colors invert those of its containing block. This uses the *inherited-property-value* function. Here's an inline block with fixed colors (black on white). That doesn't work either. Guess it's not my problem... So let's try it with font sizes. In this block, we'll put an inline object whose font-size is 2 pt bigger than its parent's font-size.

An outer block with 12 pt text on 14 pt leading, default color and 50% grey background color. Test inherited color changes with nested blocks.

Interchange color and background color using from-parent function.