

CMYK color with rgb-icc() and cmyk()









Here is an example of drawing CMYK color by specifying `rgb-icc(<R>,<G>,,#CMYK,<C>,<M>,<Y>,<K>)`. Specify 0.0–1.0 or % value in CMYK value. `cmyk(<C>,<M>,<Y>,<K>)` is equivalent to `rgb-icc(#CMYK,<C>,<M>,<Y>,<K>)`.

The following formulas are used for RGB calculation:

Red = $1 - \text{minimum}(1, \text{Cyan} \times (1 - \text{Black}) + \text{Black})$

Green = $1 - \text{minimum}(1, \text{Magenta} \times (1 - \text{Black}) + \text{Black})$

Blue = $1 - \text{minimum}(1, \text{Yellow} \times (1 - \text{Black}) + \text{Black})$

<code>rgb-icc(164,164,164,#CMYK,0.2, 0.2, 0.2, 0.2)</code>		<code>rgb-icc(64%,64%,64%,#CMYK, 20%, 20%, 20%, 20%)</code>
<code>rgb-icc(123,123,123,#CMYK,0.2, 0.2, 0.2, 0.4)</code>		<code>rgb-icc(48%,48%,48%,#CMYK, 20%, 20%, 20%, 40%)</code>
<code>rgb-icc(164,164,123,#CMYK,0.2, 0.2, 0.4, 0.2)</code>		<code>rgb-icc(64%,64%,48%,#CMYK, 20%, 20%, 40%, 20%)</code>
<code>rgb-icc(164,123,164,#CMYK,0.2, 0.4, 0.2, 0.2)</code>		<code>rgb-icc(64%,48%,64%,#CMYK, 20%, 40%, 20%, 20%)</code>
<code>rgb-icc(123,164,164,#CMYK,0.4, 0.2, 0.2, 0.2)</code>		<code>rgb-icc(48%,64%,64%,#CMYK, 40%, 20%, 20%, 20%)</code>
<code>rgb-icc(123,123,92,#CMYK,0.2, 0.2, 0.4, 0.4)</code>		<code>rgb-icc(48%,48%,36%,#CMYK, 20%, 20%, 40%, 40%)</code>
<code>rgb-icc(164,123,123,#CMYK,0.2, 0.4, 0.4, 0.2)</code>		<code>rgb-icc(64%,48%,48%,#CMYK, 20%, 40%, 40%, 20%)</code>
<code>rgb-icc(123,123,164,#CMYK,0.4, 0.4, 0.2, 0.2)</code>		<code>rgb-icc(48%,48%,64%,#CMYK, 40%, 40%, 20%, 20%)</code>