

Converting Colors

XYZ(85.1622, 87.2213,
197.8951)

Have a look what the booklet for
XYZ(85.1622, 87.2213, 197.8951)
contains.

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Color

**XYZ(68.0051, 80.5513,
106.5714)**

Conversions

Conversions Part 1

Format	Color
Hex	B0F3FF
RGB	176, 243, 255
RGB Percent	69%, 95%, 100%
CMY	0.3098, 0.0470, 0.0000
CMYK	0.31, 0.05, 0.00, 0.00
HSL	189°, 100%, 85%
HSV	189°, 31%, 100%
XYZ	68.0051, 80.5513, 106.5714
YIQ	224.3350, -43.7840, -10.4720

Conversions

Conversions Part 2

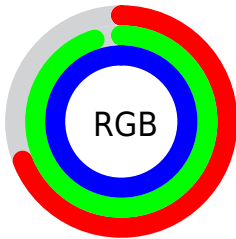
Format	Color
R_{YB}	176, 212, 255
Decimal	11596799
CIE _{Lab}	91.93, -18.02, -12.49
CIE _{LCh}	92, 21.923, 214.717
Yxy	80.5513, 0.2666, 0.3157
Android (android.graphics.Color)	4289786879 (0xFFB0F3FF)
YUV	224.3350, 15.1178, -42.3898
Hunter-Lab	89.7504, -21.8112, -7.5769

Details

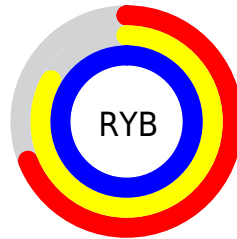
The XYZ color **68.0051, 80.5513, 106.5714** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.0599, 60.3608, 49.1926**, and the grayscale version is **71.0106, 74.7087, 81.3578**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **35.8485, 43.6828, 59.9683** is the 20% darker color. If you saturate the color by 10%, you get **61.6258, 75.5624, 105.9447**, and if you desaturate by 10%, it is **75.4961, 86.1535, 107.2580**.

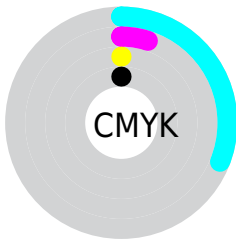
Distribution



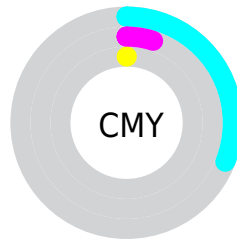
- Red (69%)
- Green (95%)
- Blue (100%)



- Red (69%)
- Yellow (83%)
- Blue (100%)



- Cyan (31%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0051, 80.5513, 106.5714 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 68.0051, 80.5513, 106.5714 by changing the saturation by 10% instead.


 68.0051, 80.5513,
106.5714

 68.0051, 80.5513,
106.5714


442.8905,
496.7888, 602.4877

 50.1756, 60.1721,
81.1525

 115.4013,
134.1406, 172.2892

 35.7713, 43.5574,
60.1354


145.6987,
168.1194, 213.4252

 24.4269, 30.3227,
43.1018


180.8828,
207.4003, 260.6372

 15.7770, 20.0836,
29.6330


221.3188,
252.3676, 314.3439

 9.4564, 12.4559,
19.3105

267.3723,
303.4057, 374.9637

 5.0995, 7.0549,
11.7158

319.4085,

 2.3411, 3.4965,

360.8990, 442.9153

6.4303

377.7928,
425.2319, 518.6171

■ 0.8156, 1.3961,
3.0354

■ 0.0000, 0.2138,
1.1128

■ 68.0051, 80.5513,
106.5714

■ 68.0051, 80.5513,
106.5714

■ 61.6258, 75.5624,
105.9447

■ 75.4961, 86.1535,
107.2580

■ 56.2909, 71.1460,
105.3735

■ 84.1485, 92.3890,
108.0055

■ 51.9354, 67.2704,
104.8549

■ 94.0167, 99.2880,
108.8170

■ 48.4847, 63.8968,
104.3856

■ 95.0500, 100.0000,
108.9000

■ 45.8528, 60.9807,
103.9615

■ 43.9367, 58.4688,
103.5776

■ 42.6773, 56.4746,
103.2591

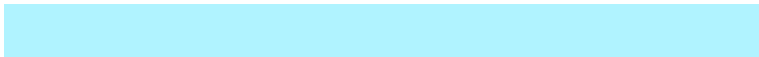
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.2734, 80.5513, 90.2804



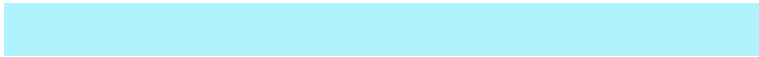
68.0051, 80.5513, 106.5714



72.0314, 80.5513, 118.8266

Triad

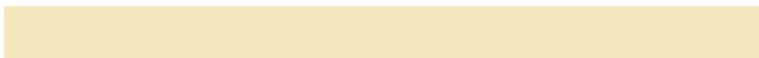
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.0051, 80.5513, 106.5714



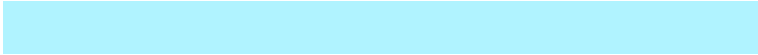
86.7712, 80.5513, 101.6228



75.6750, 80.5513, 60.2992

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68.0051, 80.5513, 106.5714



67.0599, 60.3608, 49.1926

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.2779, 80.5513, 62.5580



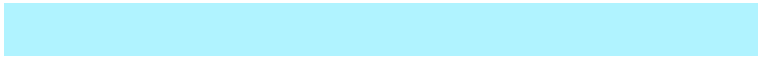
68.0051, 80.5513, 106.5714



87.8629, 80.5513, 85.1823

Square

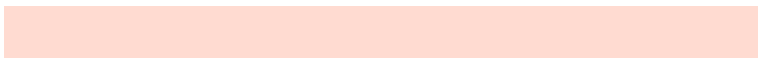
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.0051, 80.5513, 106.5714



82.8927, 80.5513, 115.7330



85.8073, 80.5513, 71.2109



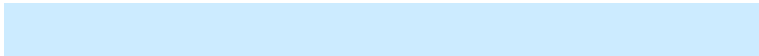
70.5614, 80.5513, 64.6150

Rectangle

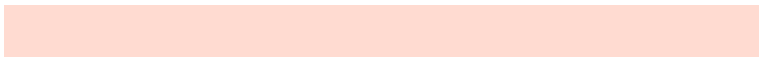
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.0051, 80.5513, 106.5714



75.5693, 80.5513, 122.3350



85.8073, 80.5513, 71.2109



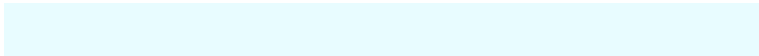
77.5625, 80.5513, 60.3200

Sweetspot

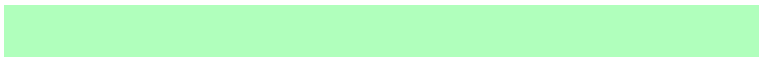
The Sweet Spot groups the original color and five complimentary colors.



68.0073, 80.5544, 106.5719



86.0033, 93.7008, 108.1609



62.7266, 84.3750, 60.4739



18.1154, 19.8488, 23.1264



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.0073, 80.5544, 106.5719



64.0361, 77.4780, 106.1874



57.4657, 59.4712, 103.0581



18.3061, 19.9837, 23.1424



22.3887, 29.6869, 53.9847



2.2407, 3.0121, 5.2766

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



72.9444, 58.7834, 92.2993



69.7522, 52.9589, 89.5090



76.6421, 79.5253, 52.3866



18.6671, 18.2502, 22.1302



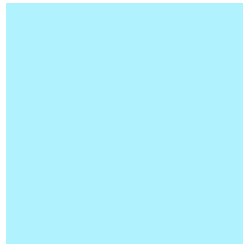
28.0890, 13.7249, 35.4486



2.7656, 1.3486, 3.6132

Previews

White Background



This preview shows how the XYZ color 68.0051, 80.5513, 106.5714 looks on a white background.

Color Contrast Check

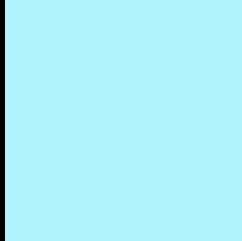
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 68.0051, 80.5513, 106.5714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0051, 80.5513, 106.5714

Background



This preview shows how black text looks on a background with the XYZ color 68.0051, 80.5513, 106.5714.

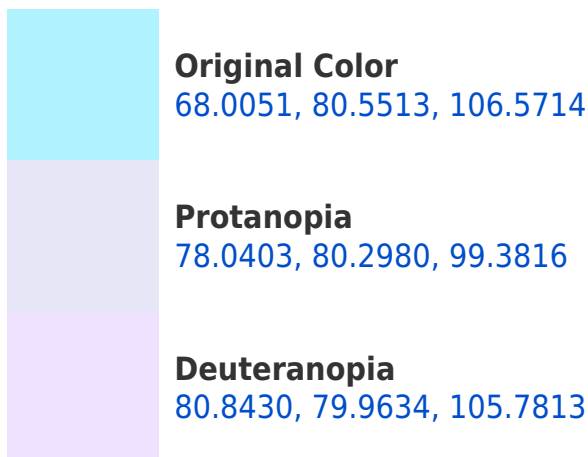


This preview shows how white text looks on a background with the XYZ color 68.0051, 80.5513,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy

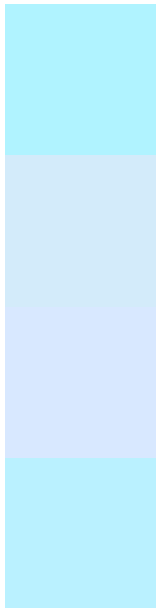




Tritanopia

70.6959, 80.6165, 106.4422

Trichromacy



Original Color

68.0051, 80.5513, 106.5714

Protanomaly

73.8276, 80.1677, 102.0253

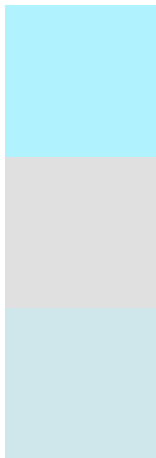
Deuteranomaly

75.2255, 79.5322, 105.9942

Tritanomaly

69.7550, 80.5697, 106.4828

Monochromacy



Original Color

68.0051, 80.5513, 106.5714

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.3034, 76.4154, 89.6942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0051, 80.5513, 106.5714 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(176, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 243, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(176, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 243, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.0051, 80.5513, 106.5714 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 243, 255) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(176, 243, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(176, 243, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 243,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0051, 80.5513, 106.5714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 243, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(176,  
243, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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