

Converting Colors

XYZ(68.5182, 81.7224,
106.7705)

Have a look what the booklet for
XYZ(68.5182, 81.7224, 106.7705)
contains.

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Color

**XYZ(68.6069, 81.7549,
106.7721)**

Conversions

Conversions Part 1

Format	Color
Hex	B0F5FF
RGB	176, 245, 255
RGB Percent	69%, 96%, 100%
CMY	0.3098, 0.0392, 0.0000
CMYK	0.31, 0.04, 0.00, 0.00
HSL	188°, 100%, 85%
HSV	188°, 31%, 100%
XYZ	68.6069, 81.7549, 106.7721
YIQ	225.5090, -44.3340, -11.5180

Conversions

Conversions Part 2

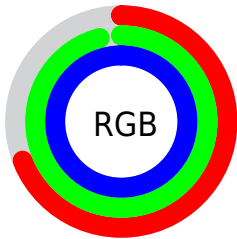
Format	Color
R_{YB}	176, 213, 255
Decimal	11597311
CIE _{Lab}	92.47, -19.01, -11.69
CIE _{LCh}	92, 22.316, 211.584
Y _{xy}	81.7549, 0.2668, 0.3179
Android (android.graphics.Color)	4289787391 (0xFFB0F5FF)
YUV	225.5090, 14.5391, -43.4194
Hunter-Lab	90.4184, -22.7915, -6.7207

Details

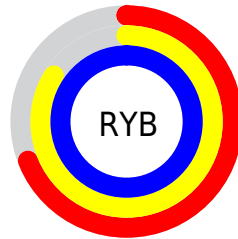
The XYZ color **68.6069, 81.7549, 106.7721** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.6355, 59.5122, 49.0511**, and the grayscale version is **71.8576, 75.5998, 82.3282**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **36.2758, 44.5374, 60.1107** is the 20% darker color. If you saturate the color by 10%, you get **62.4066, 77.1241, 106.2050**, and if you desaturate by 10%, it is **75.9115, 86.9844, 107.3964**.

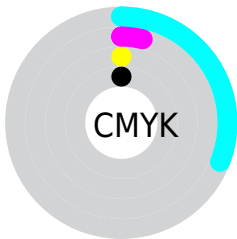
Distribution



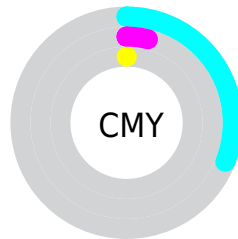
- Red (69%)
- Green (96%)
- Blue (100%)



- Red (69%)
- Yellow (84%)
- Blue (100%)



- Cyan (31%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6069, 81.7549, 106.7721 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 68.6069, 81.7549, 106.7721 by changing the saturation by 10% instead.

68.6069, 81.7549,
106.7721

68.6069, 81.7549,
106.7721

444.9864,
500.8275, 603.1244

50.6671, 61.1635,
81.3198

116.2571,
135.8302, 172.5657

36.1637, 44.3572,
60.2725

146.6982,
170.0830, 213.7440

24.7314, 30.9514,
43.2116

182.0371,
209.6583, 261.0015

16.0047, 20.5618,
29.7185

222.6392,
254.9406, 314.7566

9.6183, 12.8041,
19.3748

268.8698,
306.3143, 375.4279

5.2070, 7.2938,
11.7619

321.0943,

2.4052, 3.6465,

364.1637, 443.4340

6.4612

379.6781,
428.8733, 519.1933

■ 0.8477, 1.4779,
3.0542

■ 0.0000, 0.2731,
1.1224

■ 68.6069, 81.7549,
106.7721

■ 68.6069, 81.7549,
106.7721

■ 62.4066, 77.1241,
106.2050

■ 75.9115, 86.9844,
107.3964

■ 57.2433, 73.0509,
105.6909

■ 84.3700, 92.8321,
108.0794

■ 53.0522, 69.5039,
105.2272

■ 94.0368, 99.3282,
108.8237

■ 49.7586, 66.4446,
104.8103

■ 95.0500, 100.0000,
108.9000

■ 47.2766, 63.8284,
104.4361

■ 45.5034, 61.6021,
104.0999

■ 44.3668, 59.8536,
103.8223

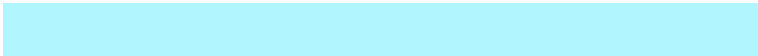
Harmonies

Analogous

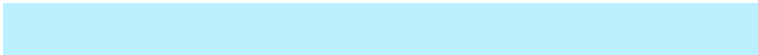
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.1050, 81.7549, 89.9007



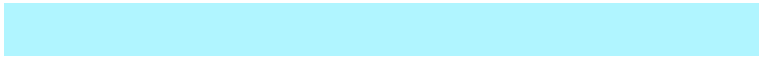
68.6069, 81.7549, 106.7721



72.5298, 81.7549, 120.0891

Triad

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



68.6069, 81.7549, 106.7721



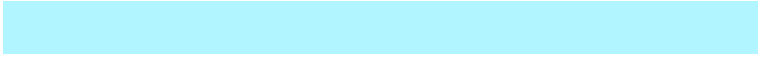
87.9085, 81.7549, 105.0594



77.3985, 81.7549, 60.8110

Complementary

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



68.6069, 81.7549, 106.7721



66.6355, 59.5122, 49.0511

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.



83.1219, 81.7549, 63.8284



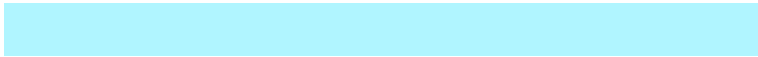
68.6069, 81.7549, 106.7721



89.3675, 81.7549, 88.1394

Square

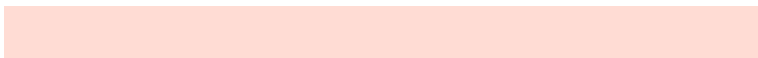
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6069, 81.7549, 106.7721



83.6802, 81.7549, 119.0171



87.5751, 81.7549, 73.3485



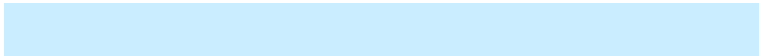
72.0224, 81.7549, 64.5364

Rectangle

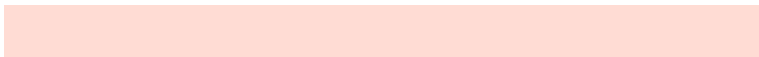
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6069, 81.7549, 106.7721



76.0883, 81.7549, 124.4087



87.5751, 81.7549, 73.3485



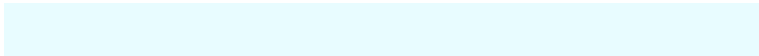
79.3456, 81.7549, 61.0681

Sweetspot

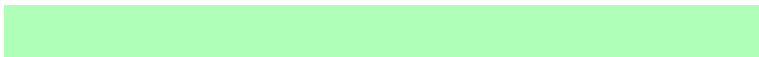
The Sweet Spot groups the original color and five complimentary colors.



68.6091, 81.7581, 106.7725



86.1855, 94.0654, 108.2217



62.4455, 84.2626, 58.9938



18.1606, 19.9393, 23.1414



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.



68.6091, 81.7581, 106.7725



64.7466, 78.8989, 106.4243



58.0954, 60.7307, 103.2680



18.3472, 20.0660, 23.1561



23.2596, 31.4287, 54.2750



2.3172, 3.1651, 5.3021

Inverse Universe

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



73.2481, 58.9049, 93.8990



70.1108, 53.1024, 91.3975



75.9259, 78.0928, 52.1478



18.6879, 18.2585, 22.2396



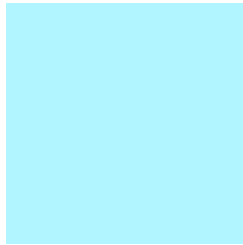
28.5285, 13.9007, 37.7634



2.8042, 1.3641, 3.8164

Previews

White Background



This preview shows how the XYZ color 68.6069, 81.7549, 106.7721 looks on a white background.

Color Contrast Check

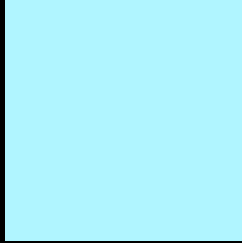
Large Text (above 18pt) WCAG AA × Fail

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 68.6069, 81.7549, 106.7721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

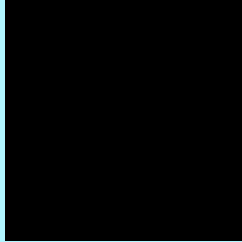
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6069, 81.7549, 106.7721

Background



This preview shows how black text looks on a background with the XYZ color 68.6069, 81.7549, 106.7721.

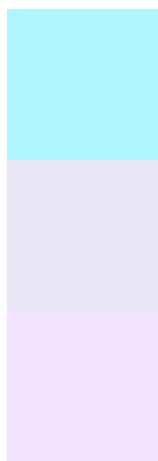


This preview shows how white text looks on a background with the XYZ color 68.6069, 81.7549,

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



Original Color

68.6069, 81.7549, 106.7721

Protanopia

78.8147, 81.1293, 98.6943

Deuteranopia

81.7947, 80.8589, 105.9040



Tritanopia

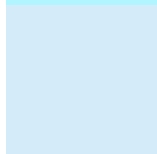
72.0110, 81.7327, 106.5883

Trichromacy



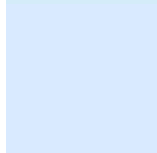
Original Color

68.6069, 81.7549, 106.7721



Protanomaly

74.2457, 80.8275, 101.3106



Deuteranomaly

76.0881, 80.8174, 106.1968



Tritanomaly

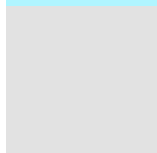
70.5412, 81.4156, 106.6046

Monochromacy



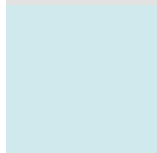
Original Color

68.6069, 81.7549, 106.7721



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

70.4374, 77.8021, 91.4256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6069, 81.7549, 106.7721 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, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 245, 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, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.6069, 81.7549, 106.7721 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, 245, 255) }
```


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

```
.border{ border-color:rgb(176, 245, 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, 245, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6069, 81.7549, 106.7721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 245, 255) }
```

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

```
.background{ background-color: rgb(176,  
245, 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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