

Converting Colors

XYZ(68.4159, 81.3895,
106.7116)

Have a look what the booklet for
XYZ(68.4159, 81.3895, 106.7116)
contains.

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Color

**XYZ(68.3052, 81.1515,
106.6715)**

Conversions

Conversions Part 1

Format	Color
Hex	B0F4FF
RGB	176, 244, 255
RGB Percent	69%, 96%, 100%
CMY	0.3098, 0.0431, 0.0000
CMYK	0.31, 0.04, 0.00, 0.00
HSL	188°, 100%, 85%
HSV	188°, 31%, 100%
XYZ	68.3052, 81.1515, 106.6715
YIQ	224.9220, -44.0590, -10.9950

Conversions

Conversions Part 2

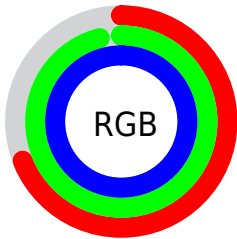
Format	Color
RYB	176, 213, 255
Decimal	11597055
CIELab	92.20, -18.52, -12.09
CIELCh	92, 22.112, 213.135
Yxy	81.1515, 0.2667, 0.3168
Android (android.graphics.Color)	4289787135 (0xFFB0F4FF)
YUV	224.9220, 14.8285, -42.9046
Hunter-Lab	90.0841, -22.3018, -7.1483

Details

The XYZ color **68.3052, 81.1515, 106.6715** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.8470, 59.9350, 49.1216**, and the grayscale version is **71.4334, 75.1535, 81.8422**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **36.0614, 44.1086, 60.0393** is the 20% darker color. If you saturate the color by 10%, you get **62.0148, 76.3405, 106.0744**, and if you desaturate by 10%, it is **75.7034, 86.5682, 107.3271**.

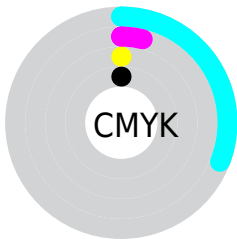
Distribution



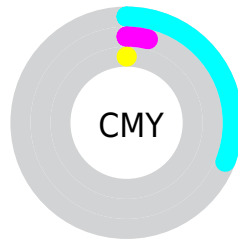
- Red (69%)
- Green (96%)
- Blue (100%)



- 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 68.3052, 81.1515, 106.6715 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 68.3052, 81.1515, 106.6715 by changing the saturation by 10% instead.

68.3052, 81.1515,
106.6715

68.3052, 81.1515,
106.6715

443.9364,
498.8050, 602.8053

50.4207, 60.6664,
81.2359

115.8282,
134.9835, 172.4271

35.9669, 43.9560,
60.2038

146.1973,
169.0991, 213.5842

24.5786, 30.6359,
43.1565

181.4586,
208.5271, 260.8189

15.8905, 20.3218,
29.6757

221.9776,
253.6517, 314.5498

9.5370, 12.6291,
19.3426

268.1195,
304.8574, 375.1953

5.1530, 7.1737,
11.7388

320.2497,

2.3730, 3.5710,

362.5286, 443.1740

6.4457

378.7335,
427.0497, 518.9045

■ 0.8316, 1.4366,
3.0448

■ 0.0000, 0.2435,
1.1176

■ 68.3052, 81.1515,
106.6715

■ 68.3052, 81.1515,
106.6715

■ 62.0148, 76.3405,
106.0744

■ 75.7034, 86.5682,
107.3271

■ 56.7649, 72.0941,
105.5315

■ 84.2591, 92.6103,
108.0424

■ 52.4907, 68.3810,
105.0400

■ 94.0268, 99.3081,
108.8204

■ 49.1175, 65.1624,
104.5966

■ 95.0500, 100.0000,
108.9000

■ 46.5594, 62.3938,
104.1970

■ 44.7133, 60.0220,
103.8365

■ 43.5139, 58.1478,
103.5380

Harmonies

Analogous

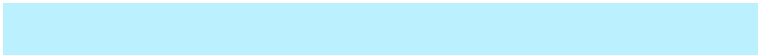
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.6881, 81.1515, 90.0898



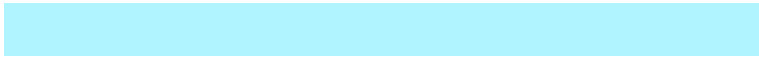
68.3052, 81.1515, 106.6715



72.2800, 81.1515, 119.4570

Triad

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



68.3052, 81.1515, 106.6715



87.3386, 81.1515, 103.3323



76.5336, 81.1515, 60.5541

Complementary

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



68.3052, 81.1515, 106.6715



66.8470, 59.9350, 49.1216

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.



82.1966, 81.1515, 63.1907



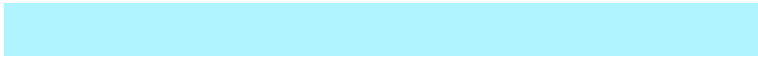
68.3052, 81.1515, 106.6715



88.6132, 81.1515, 86.6528

Square

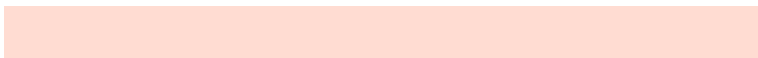
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.3052, 81.1515, 106.6715



83.2857, 81.1515, 117.3682



86.6884, 81.1515, 72.2743



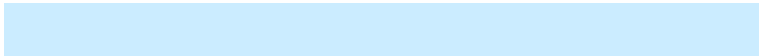
71.2893, 81.1515, 64.5750

Rectangle

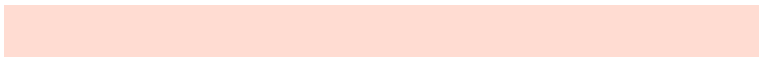
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



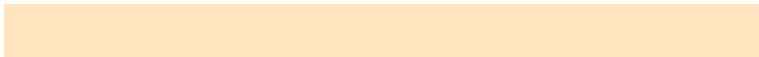
68.3052, 81.1515, 106.6715



75.8282, 81.1515, 123.3695



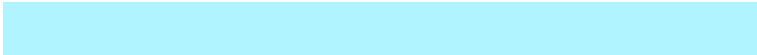
86.6884, 81.1515, 72.2743



78.4508, 81.1515, 60.6927

Sweetspot

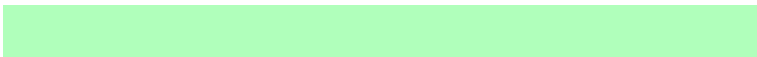
The Sweet Spot groups the original color and five complimentary colors.



68.3074, 81.1546, 106.6720



86.0943, 93.8829, 108.1913



62.5854, 84.3186, 59.7305



18.1379, 19.8940, 23.1339



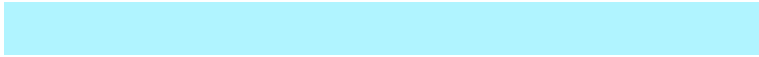
0.0000, 0.0000, 0.0000



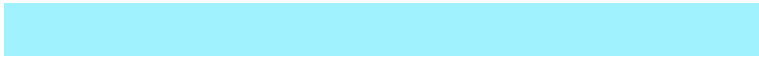
20.3446, 21.4041, 23.3091

Same Dimension

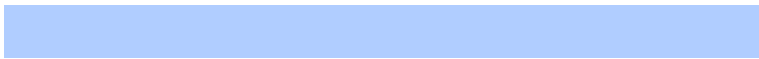
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3074, 81.1546, 106.6720



64.3902, 78.1862, 106.3055



57.7792, 60.0983, 103.1626



18.3266, 20.0248, 23.1492



22.8200, 30.5496, 54.1285



2.2787, 3.0880, 5.2892

Inverse Universe

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



73.0959, 58.8440, 93.0970



69.9309, 53.0304, 90.4502



76.2826, 78.8063, 52.2668



18.6775, 18.2543, 22.1849



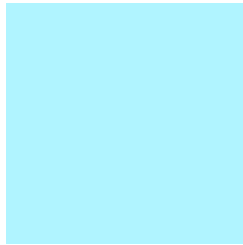
28.3067, 13.8120, 36.5951



2.7848, 1.3563, 3.7140

Previews

White Background



This preview shows how the XYZ color 68.3052, 81.1515, 106.6715 looks on a white background.

Color Contrast Check

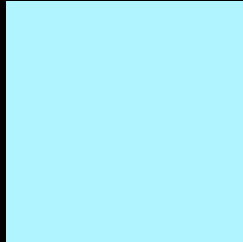
Large Text (above 18pt) WCAG AA × Fail

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 68.3052, 81.1515, 106.6715 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 68.3052, 81.1515, 106.6715

Background



This preview shows how black text looks on a background with the XYZ color 68.3052, 81.1515, 106.6715.



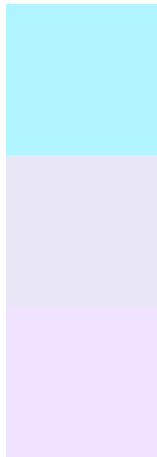
This preview shows how white text looks on a background with the XYZ color 68.3052, 81.1515,

106.6715.

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

68.3052, 81.1515, 106.6715

Protanopia

78.3640, 80.4648, 99.3967

Deuteranopia

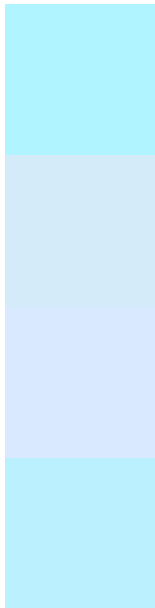
81.4543, 80.6834, 105.8881



Tritanopia

71.2024, 80.8776, 106.4659

Trichromacy



Original Color

68.3052, 81.1515, 106.6715

Protanomaly

74.1150, 80.3158, 102.0387

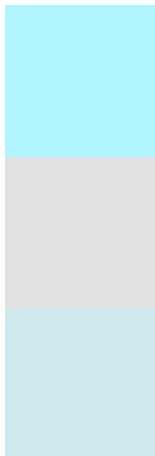
Deuteranomaly

75.8042, 80.2495, 106.1021

Tritanomaly

69.9988, 80.6954, 106.4942

Monochromacy



Original Color

68.3052, 81.1515, 106.6715

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

69.7291, 77.0348, 90.5510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3052, 81.1515, 106.6715 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, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 244, 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, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.3052, 81.1515, 106.6715 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, 244, 255) }
```


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

```
.border{ border-color:rgb(176, 244, 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, 244, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3052, 81.1515, 106.6715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 244, 255) }
```

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

```
.background{ background-color: rgb(176,  
244, 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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