

Converting Colors

XYZ(68.8398, 80.0664,
106.4339)

Have a look what the booklet for
XYZ(68.8398, 80.0664, 106.4339)
contains.

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Color

**XYZ(68.7967, 80.0757,
106.4379)**

Conversions

Conversions Part 1

Format	Color
Hex	B6F1FF
RGB	182, 241, 255
RGB Percent	71%, 95%, 100%
CMY	0.2863, 0.0549, 0.0000
CMYK	0.29, 0.05, 0.00, 0.00
HSL	192°, 100%, 86%
HSV	192°, 29%, 100%
XYZ	68.7967, 80.0757, 106.4379
YIQ	224.9550, -39.6580, -8.1540

Conversions

Conversions Part 2

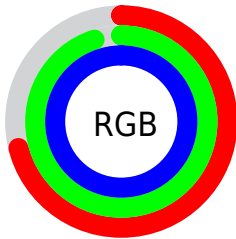
Format	Color
RYB	182, 215, 255
Decimal	11989503
CIELab	91.72, -15.37, -12.77
CIElCh	92, 19.986, 219.712
Yxy	80.0757, 0.2695, 0.3136
Android (android.graphics.Color)	4290179583 (0xFFB6F1FF)
YUV	224.9550, 14.8122, -37.6715
Hunter-Lab	89.4850, -19.3668, -7.8829

Details

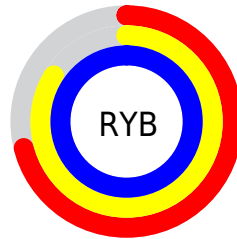
The XYZ color **68.7967, 80.0757, 106.4379** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.4235, 64.1168, 52.9745**, and the grayscale version is **71.4549, 75.1761, 81.8668**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **36.2944, 43.2872, 59.8684** is the 20% darker color. If you saturate the color by 10%, you get **61.8867, 74.3957, 105.7058**, and if you desaturate by 10%, it is **76.8464, 86.4049, 107.2353**.

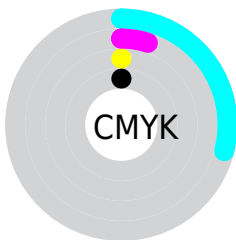
Distribution



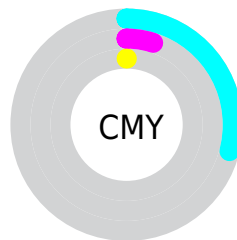
- Red (71%)
- Green (95%)
- Blue (100%)



- Red (71%)
- Yellow (84%)
- Blue (100%)



- Cyan (29%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7967, 80.0757, 106.4379 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 68.7967, 80.0757, 106.4379 by changing the saturation by 10% instead.

68.7967, 80.0757,
106.4379

68.7967, 80.0757,
106.4379

445.6462,
495.1879, 602.0639

50.8222, 59.7806,
81.0411

116.5268,
133.4722, 172.1053

36.2876, 43.2419,
60.0443

147.0131,
167.3424, 213.2131

24.8275, 30.0749,
43.0288

182.4008,
206.5064, 260.3949

16.0767, 19.8955,
29.5761

223.0551,
251.3486, 314.0693

9.6696, 12.3191,
19.2678

269.3414,
302.2535, 374.6549

5.2410, 6.9614,
11.6852

321.6252,

2.4256, 3.4380,

359.6054, 442.5701

6.4097

380.2716,
423.7888, 518.2336

■ 0.8579, 1.3644,
3.0230

■ 0.0000, 0.1903,
1.1064

■ 68.7967, 80.0757,
106.4379

■ 68.7967, 80.0757,
106.4379

■ 61.8867, 74.3957,
105.7058

■ 76.8464, 86.4049,
107.2353

■ 56.0500, 69.3243,
105.0345

■ 86.0847, 93.4028,
108.0991

■ 51.2232, 64.8303,
104.4215

95.0500, 100.0000,
108.9000

■ 47.3336, 60.8757,
103.8632

■ 44.2979, 57.4172,
103.3556

■ 42.0180, 54.4036,
102.8941

■ 40.3538, 51.7624,
102.4720

■ 40.1477, 51.4155,
102.4159

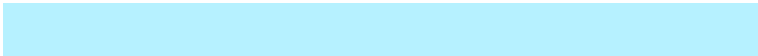
Harmonies

Analogous

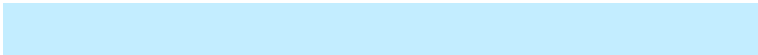
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.8274, 80.0757, 92.0241



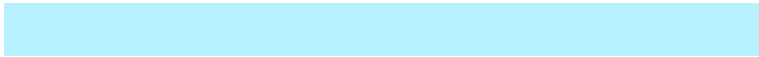
68.7967, 80.0757, 106.4379



72.7524, 80.0757, 116.3443

Triad

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



68.7967, 80.0757, 106.4379



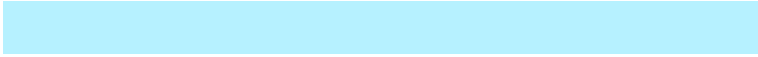
85.7052, 80.0757, 97.3170



74.4635, 80.0757, 62.2838

Complementary

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



68.7967, 80.0757, 106.4379



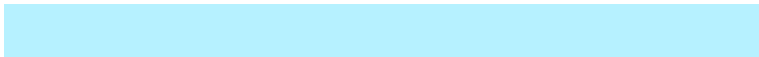
69.4235, 64.1168, 52.9745

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.



79.5684, 80.0757, 63.3629



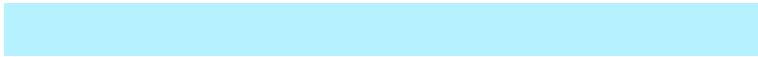
68.7967, 80.0757, 106.4379



86.2137, 80.0757, 82.5260

Square

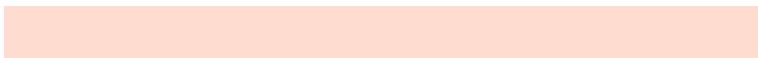
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7967, 80.0757, 106.4379



82.5634, 80.0757, 110.6832



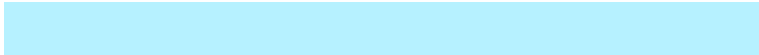
83.9231, 80.0757, 70.4128



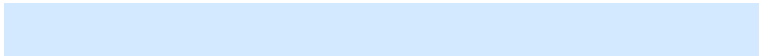
70.0011, 80.0757, 67.2793

Rectangle

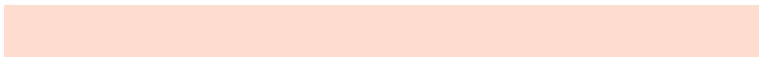
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



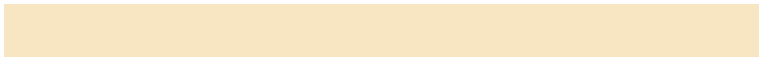
68.7967, 80.0757, 106.4379



76.0602, 80.0757, 118.4731



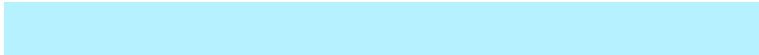
83.9231, 80.0757, 70.4128



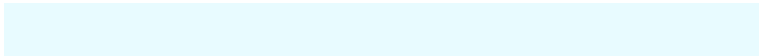
76.1589, 80.0757, 61.9622

Sweetspot

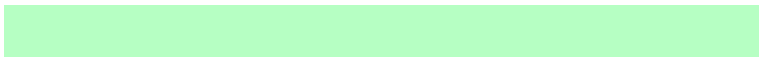
The Sweet Spot groups the original color and five complimentary colors.



68.7988, 80.0788, 106.4384



85.7173, 93.1288, 108.0656



64.9462, 85.4231, 64.9242



18.0445, 19.7071, 23.1028



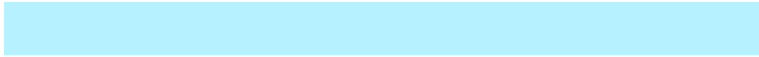
0.0000, 0.0000, 0.0000



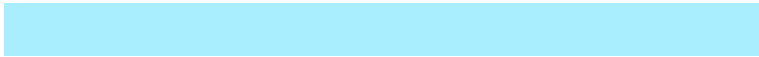
20.3446, 21.4041, 23.3091

Same Dimension

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



68.7988, 80.0788, 106.4384



64.9469, 76.9468, 106.0369



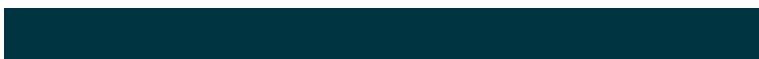
59.2020, 60.8851, 103.2395



18.2415, 19.8546, 23.1208



21.0835, 27.0765, 53.5497



2.1253, 2.7813, 5.2381

Inverse Universe

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



73.8465, 61.0684, 91.1179



70.7862, 55.5714, 88.1754



78.5079, 82.2857, 56.0027



18.6345, 18.2371, 21.9586



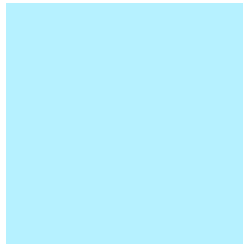
27.4302, 13.4614, 31.9793



2.7074, 1.3253, 3.3064

Previews

White Background



This preview shows how the XYZ color 68.7967, 80.0757, 106.4379 looks on a white background.

Color Contrast Check

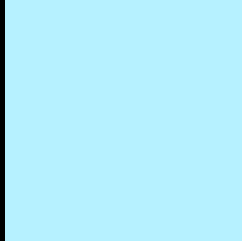
Large Text (above 18pt) WCAG AA × Fail

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 68.7967, 80.0757, 106.4379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

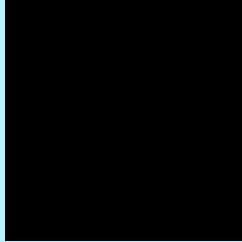
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7967, 80.0757, 106.4379

Background



This preview shows how black text looks on a background with the XYZ color 68.7967, 80.0757, 106.4379.

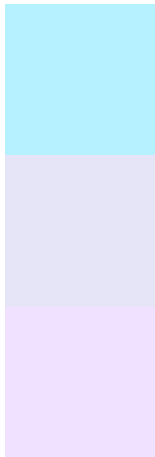


This preview shows how white text looks on a background with the XYZ color 68.7967, 80.0757,

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

68.7967, 80.0757, 106.4379

Protanopia

77.5957, 79.6389, 100.0891

Deuteranopia

80.5718, 79.4211, 105.6910



Tritanopia

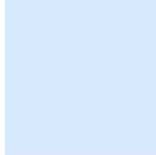
70.6547, 80.1595, 106.3562

Trichromacy



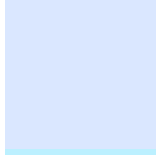
Original Color

68.7967, 80.0757, 106.4379



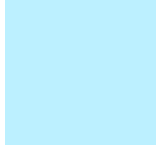
Protanomaly

73.9921, 79.3890, 102.6906



Deuteranomaly

75.5394, 79.2773, 105.9284



Tritanomaly

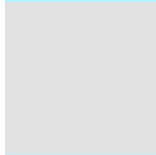
69.9491, 80.2315, 106.4073

Monochromacy



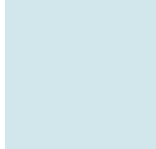
Original Color

68.7967, 80.0757, 106.4379



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

70.0107, 76.7633, 90.4837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7967, 80.0757, 106.4379 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(182, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 241, 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(182, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.7967, 80.0757, 106.4379 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(182, 241, 255) }
```


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

```
.border{ border-color:rgb(182, 241, 255) }
```

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

Here you see how a box with a 4 pixel rgb(182, 241, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7967, 80.0757, 106.4379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 241, 255) }
```

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

```
.background{ background-color: rgb(182,  
241, 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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