

Converting Colors

XYZ(64.2072, 67.8947,
103.4908)

Have a look what the booklet for
XYZ(64.2072, 67.8947, 103.4908)
contains.

XYZ(64.1881, 67.8578, 103.4807)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.1881, 67.8578,
103.4807)**

Conversions

Conversions Part 1

Format	Color
Hex	BFD9FE
RGB	191, 217, 254
RGB Percent	75%, 85%, 100%
CMY	0.2510, 0.1490, 0.0039
CMYK	0.25, 0.15, 0.00, 0.00
HSL	215°, 97%, 87%
HSV	215°, 25%, 100%
XYZ	64.1881, 67.8578, 103.4807
YIQ	213.4440, -27.3730, 5.9950

Conversions

Conversions Part 2

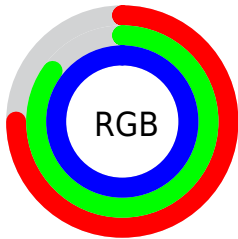
Format	Color
R _{YB}	191, 209, 254
Decimal	12573182
CIE Lab	85.94, -0.70, -20.89
CIE LCh	86, 20.897, 268.075
Yxy	67.8578, 0.2725, 0.2881
Android (android.graphics.Color)	4290763262 (0xFFBFD9FE)
YUV	213.4440, 19.9941, -19.6834
Hunter-Lab	82.3758, -5.0687, -16.8171

Details

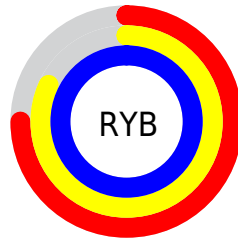
The XYZ color **64.1881, 67.8578, 103.4807** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.0213, 80.3197, 60.6831**, and the grayscale version is **63.4282, 66.7314, 72.6704**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **33.1517, 35.1061, 57.8522** is the 20% darker color. If you saturate the color by 10%, you get **54.6735, 57.5021, 101.9845**, and if you desaturate by 10%, it is **75.1622, 79.4851, 105.1477**.

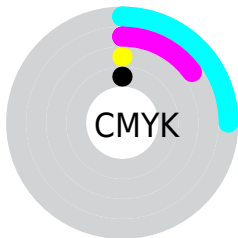
Distribution



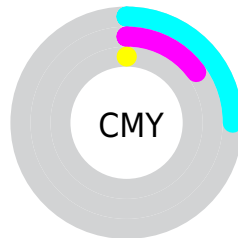
- Red (75%)
- Green (85%)
- Blue (100%)



- Red (75%)
- Yellow (82%)
- Blue (100%)



- Cyan (25%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1881, 67.8578, 103.4807 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 64.1881, 67.8578, 103.4807 by changing the saturation by 10% instead.

■ 64.1881, 67.8578,
103.4807

■ 64.1881, 67.8578,
103.4807

429.4600,
452.9920, 592.6371

■ 47.0653, 49.7821,
78.5776

■ 109.9540,
116.1487, 168.0257

■ 33.2954, 35.2403,
58.0293

139.3278,
147.1326, 208.5047

■ 22.5132, 23.8480,
41.4173

173.5160,
183.1881, 255.0127

■ 14.3532, 15.2209,
28.3232

212.8839,
224.6995, 307.9683

■ 8.4501, 8.9746,
18.3283

257.7969,
272.0512, 367.7900

■ 4.4385, 4.7246,
11.0140

308.6204,

■ 1.9531, 2.0866,

325.6275, 434.8963

5.9620

365.7196,
385.8130, 509.7059

■ 0.6074, 0.6571,
2.7536

■ 0.0000, 0.0000,
0.9702

■ 64.1881, 67.8578,
103.4807

■ 64.1881, 67.8578,
103.4807

■ 54.6735, 57.5021,
101.9845

■ 75.1622, 79.4851,
105.1477

■ 46.5456, 48.3621,
100.6486

■ 87.6513, 92.4207,
106.9863

■ 39.7348, 40.3891,
99.4687

94.8896, 99.9358,
108.0554

■ 34.1623, 33.5279,
98.4380

■ 29.7398, 27.7173,
97.5496

■ 26.3659, 22.8886,
96.7954

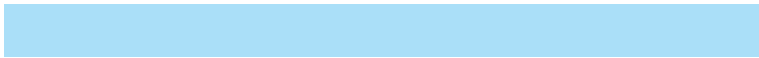
■ 23.9177, 18.9612,
96.1663

■ 22.9242, 17.2251,
95.8836

Harmonies

Analogous

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



59.7517, 67.8578, 98.5881



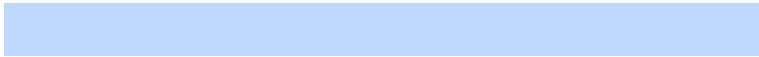
64.1881, 67.8578, 103.4807



68.9254, 67.8578, 99.6652

Triad

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



64.1881, 67.8578, 103.4807



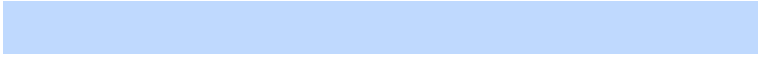
72.9622, 67.8578, 62.1632



56.9972, 67.8578, 60.8063

Complementary

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



64.1881, 67.8578, 103.4807



78.0213, 80.3197, 60.6831

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.



60.2621, 67.8578, 52.9854



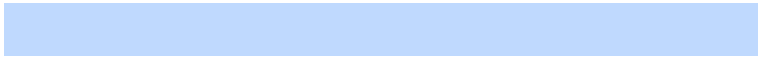
64.1881, 67.8578, 103.4807



69.4867, 67.8578, 53.6980

Square

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



64.1881, 67.8578, 103.4807



74.1384, 67.8578, 74.7747



64.8065, 67.8578, 50.5510



55.7296, 67.8578, 73.0036

Rectangle

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



64.1881, 67.8578, 103.4807



71.5889, 67.8578, 92.9316



64.8065, 67.8578, 50.5510



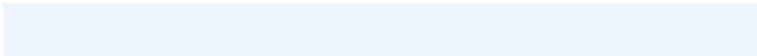
57.8893, 67.8578, 57.6377

Sweetspot

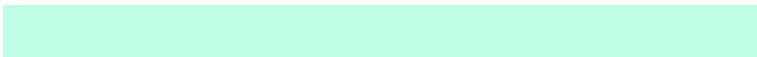
The Sweet Spot groups the original color and five complimentary colors.



64.1902, 67.8605, 103.4822



85.5317, 90.2634, 107.5223



70.8981, 87.5489, 86.3804



18.1394, 19.1471, 22.9897



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.



64.1902, 67.8605, 103.4822



59.5898, 62.8738, 103.6029



59.3519, 56.1885, 101.4843



17.6188, 18.6092, 22.9133



12.2228, 9.3551, 50.5961



1.2946, 1.1200, 4.9612

Inverse Universe

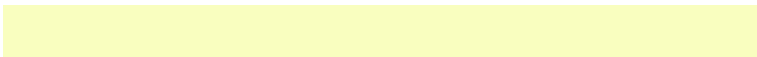
The Inverse Universe completely reimagines the original color for something new.



72.0300, 63.3440, 74.0788



68.9021, 57.9570, 68.5762



83.8249, 94.7403, 63.1607



18.3202, 18.1114, 20.3035



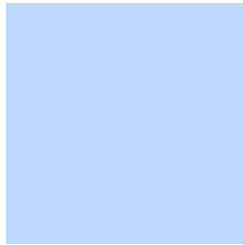
22.9577, 11.6724, 8.4276



2.2881, 1.1576, 1.0985

Previews

White Background



This preview shows how the XYZ color 64.1881, 67.8578, 103.4807 looks on a white background.

Color Contrast Check

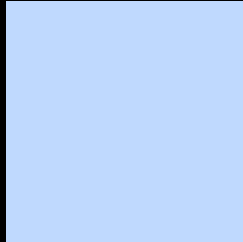
Large Text (above 18pt) WCAG AA × Fail

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 64.1881, 67.8578, 103.4807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

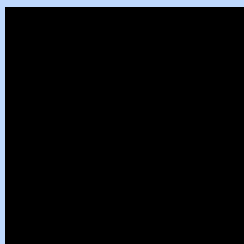
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

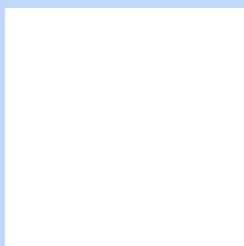
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.1881, 67.8578, 103.4807

Background



This preview shows how black text looks on a background with the XYZ color 64.1881, 67.8578, 103.4807.



This preview shows how white text looks on a background with the XYZ color 64.1881, 67.8578,

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

64.1881, 67.8578, 103.4807

Protanopia

66.9390, 67.8189, 100.8291

Deuteranopia

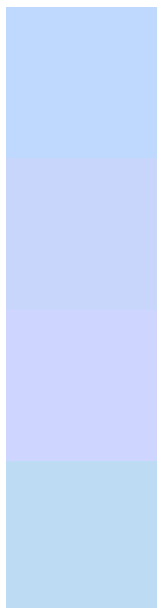
69.1209, 67.7603, 104.0437



Tritanopia

61.6183, 67.9922, 89.9969

Trichromacy



Original Color

64.1881, 67.8578, 103.4807

Protanomaly

65.7046, 67.5389, 101.6688

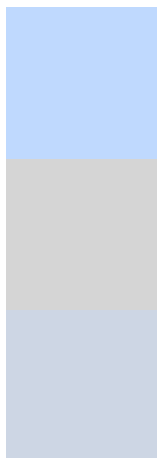
Deuteranomaly

67.2978, 67.9303, 104.1726

Tritanomaly

62.4954, 67.9529, 94.6164

Monochromacy



Original Color

64.1881, 67.8578, 103.4807

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.2270, 66.6737, 82.9357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1881, 67.8578, 103.4807 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(191, 217, 254)` looks like.

```
.text, #text, p{  
    color:rgb(191, 217, 254)  
}
```

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(191, 217, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 217, 254) }
```

Border

The CSS property to change the border of an element to XYZ 64.1881, 67.8578, 103.4807 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(191, 217, 254) }
```


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

```
.border{ border-color:rgb(191, 217, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 217, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 217, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 217, 254);  
box-shadow:4px 4px 4px 4px rgb(191, 217,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1881, 67.8578, 103.4807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 217, 254) }
```

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

```
.background{ background-color: rgb(191,  
217, 254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor