

Converting Colors

XYZ(64.8652, 67.8997,
104.2949)

Have a look what the booklet for
XYZ(64.8652, 67.8997, 104.2949)
contains.

XYZ(64.8540, 67.8011, 104.2765)	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(64.8540, 67.8011,
104.2765)**

Conversions

Conversions Part 1

Format	Color
Hex	C2D8FF
RGB	194, 216, 255
RGB Percent	76%, 85%, 100%
CMY	0.2392, 0.1529, 0.0000
CMYK	0.24, 0.15, 0.00, 0.00
HSL	218°, 100%, 88%
HSV	218°, 24%, 100%
XYZ	64.8540, 67.8011, 104.2765
YIQ	213.8680, -25.6310, 7.4650

Conversions

Conversions Part 2

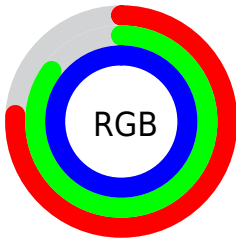
Format	Color
RYB	194, 210, 255
Decimal	12769535
CIELab	85.91, 0.93, -21.44
CIElCh	86, 21.458, 272.490
Yxy	67.8011, 0.2737, 0.2862
Android (android.graphics.Color)	4290959615 (0xFFC2D8FF)
YUV	213.8680, 20.2781, -17.4242
Hunter-Lab	82.3414, -3.5068, -17.4454

Details

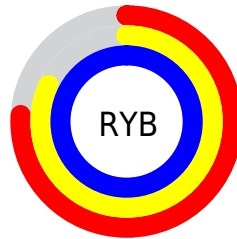
The XYZ color **64.8540, 67.8011, 104.2765** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.1164, 83.4321, 62.9221**, and the grayscale version is **63.7097, 67.0276, 72.9931**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **33.5854, 35.0559, 58.4224** is the 20% darker color. If you saturate the color by 10%, you get **54.8911, 56.7709, 102.6726**, and if you desaturate by 10%, it is **76.3580, 80.2442, 106.0719**.

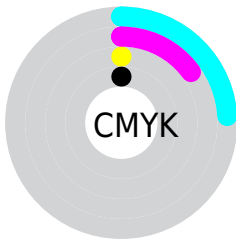
Distribution



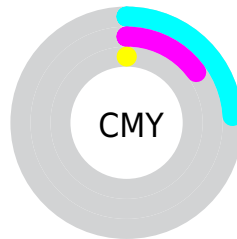
- Red (76%)
- Green (85%)
- Blue (100%)



- Red (76%)
- Yellow (82%)
- Blue (100%)



- Cyan (24%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8540, 67.8011, 104.2765 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 64.8540, 67.8011, 104.2765 by changing the saturation by 10% instead.

■ 64.8540, 67.8011,
104.2765

■ 64.8540, 67.8011,
104.2765

431.8206,
452.7910, 595.1816

■ 47.6070, 49.7359,
79.2401

■ 110.9068,
116.0676, 169.1247

■ 33.7257, 35.2036,
58.5707

140.4433,
147.0376, 209.7736

■ 22.8448, 23.8198,
41.8499

174.8070,
183.0782, 256.4637

■ 14.5990, 15.2000,
28.6591

214.3632,
224.5735, 309.6136

■ 8.6229, 8.9599,
18.5797

259.4773,
271.9080, 369.6418

■ 4.5512, 4.7150,
11.1933

310.5147,

■ 2.0184, 2.0810,

325.4662, 436.9668

6.0812

367.8407,
385.6324, 512.0072

■ 0.6443, 0.6539,
2.8249

■ 0.0000, 0.0000,
1.0059

■ 64.8540, 67.8011,
104.2765

■ 64.8540, 67.8011,
104.2765

■ 54.8911, 56.7709,
102.6726

■ 76.3580, 80.2442,
106.0719

■ 46.3943, 47.0922,
101.2522

■ 89.4621, 94.1428,
108.0640

■ 39.2905, 38.7102,
100.0087

95.0500, 100.0000,
108.9000

■ 33.4977, 31.5630,
98.9345

■ 28.9243, 25.5827,
98.0212

■ 25.4656, 20.6935,
97.2598

■ 22.9958, 16.8068,
96.6398

■ 21.8753, 14.8705,
96.3251

Harmonies

Analogous

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



60.1783, 67.8011, 100.5049



64.8540, 67.8011, 104.2765



69.6500, 67.8011, 99.0687

Triad

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



64.8540, 67.8011, 104.2765



72.7416, 67.8011, 60.2278



56.4244, 67.8011, 62.0220

Complementary

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



64.8540, 67.8011, 104.2765



80.1164, 83.4321, 62.9221

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.



59.5020, 67.8011, 53.2793



64.8540, 67.8011, 104.2765



68.9044, 67.8011, 52.3396

Square

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



64.8540, 67.8011, 104.2765



74.3461, 67.8011, 72.6553



64.0336, 67.8011, 49.9650



55.4607, 67.8011, 75.0049

Rectangle

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



64.8540, 67.8011, 104.2765



72.2284, 67.8011, 91.5481



64.0336, 67.8011, 49.9650



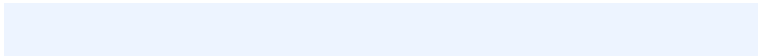
57.2380, 67.8011, 58.5490

Sweetspot

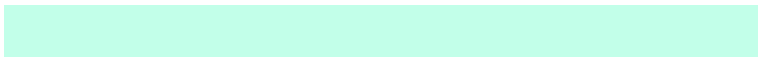
The Sweet Spot groups the original color and five complimentary colors.



64.8559, 67.8037, 104.2769



85.2521, 89.7043, 107.4291



72.6647, 88.8520, 90.1376



18.0748, 19.0178, 22.9681



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.



64.8559, 67.8037, 104.2769



59.6063, 62.0269, 103.4385



61.7363, 58.3804, 102.6224



17.5393, 18.4501, 22.8868



11.5586, 8.0268, 50.3747



1.2246, 0.9799, 4.9379

Inverse Universe

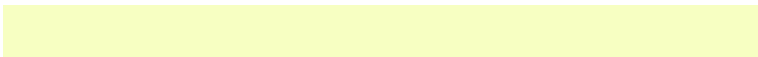
The Inverse Universe completely reimagines the original color for something new.



72.9277, 64.8030, 73.6333



69.1252, 58.8686, 67.2159



83.8088, 95.1652, 64.9922



18.2801, 18.0953, 20.0921



22.6225, 11.5383, 6.6623



2.2527, 1.1435, 0.9123

Previews

White Background



This preview shows how the XYZ color 64.8540, 67.8011, 104.2765 looks on a white background.

Color Contrast Check

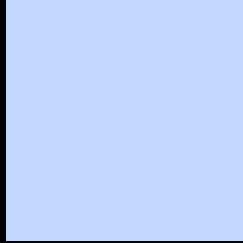
Large Text (above 18pt) WCAG AA × Fail

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 64.8540, 67.8011, 104.2765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

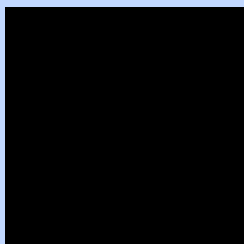
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.8540, 67.8011, 104.2765

Background



This preview shows how black text looks on a background with the XYZ color 64.8540, 67.8011, 104.2765.



This preview shows how white text looks on a background with the XYZ color 64.8540, 67.8011,

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

64.8540, 67.8011, 104.2765

Protanopia

67.2560, 67.9457, 102.4986

Deuteranopia

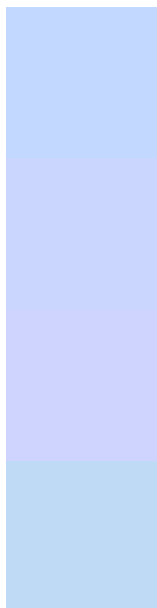
69.1209, 67.7603, 104.0437



Tritanopia

61.8528, 67.7246, 89.9329

Trichromacy



Original Color

64.8540, 67.8011, 104.2765

Protanomaly

66.2931, 67.8054, 103.3597

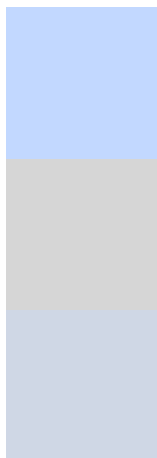
Deuteranomaly

67.3256, 67.5724, 104.1021

Tritanomaly

62.8864, 67.7508, 95.3507

Monochromacy



Original Color

64.8540, 67.8011, 104.2765

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.1754, 67.5234, 83.7797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8540, 67.8011, 104.2765 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(194, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 216, 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(194, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 216, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.8540, 67.8011, 104.2765 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(194, 216, 255) }
```


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

```
.border{ border-color:rgb(194, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 216,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8540, 67.8011, 104.2765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 216, 255) }
```

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

```
.background{ background-color: rgb(194,  
216, 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](#).

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