

Converting Colors

XYZ(65.6739, 67.5429,
104.1834)

Have a look what the booklet for
XYZ(65.6739, 67.5429, 104.1834)
contains.

XYZ(65.6498, 67.4552, 104.1678)	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(65.6498, 67.4552,
104.1678)**

Conversions

Conversions Part 1

Format	Color
Hex	C7D6FF
RGB	199, 214, 255
RGB Percent	78%, 84%, 100%
CMY	0.2196, 0.1608, 0.0000
CMYK	0.22, 0.16, 0.00, 0.00
HSL	224°, 100%, 89%
HSV	224°, 22%, 100%
XYZ	65.6498, 67.4552, 104.1678
YIQ	214.1890, -22.1010, 9.5710

Conversions

Conversions Part 2

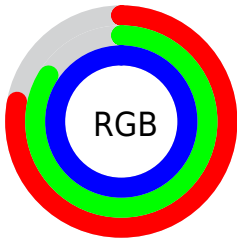
Format	Color
R _Y B	199, 211, 255
Decimal	13096703
CIE Lab	85.73, 3.47, -21.67
CIE LCh	86, 21.945, 279.107
Yxy	67.4552, 0.2767, 0.2843
Android (android.graphics.Color)	4291286783 (0xFFC7D6FF)
YUV	214.1890, 20.1198, -13.3208
Hunter-Lab	82.1311, -1.0492, -17.7064

Details

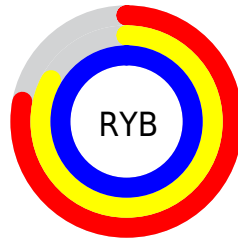
The XYZ color **65.6498, 67.4552, 104.1678** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.7089, 87.7032, 66.6040**, and the grayscale version is **63.9248, 67.2539, 73.2394**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.0928, 34.8028, 58.3468** is the 20% darker color. If you saturate the color by 10%, you get **54.9854, 55.3424, 102.3919**, and if you desaturate by 10%, it is **77.9931, 81.2407, 106.1781**.

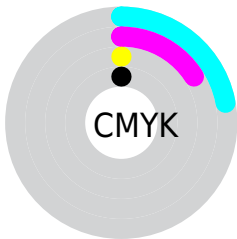
Distribution



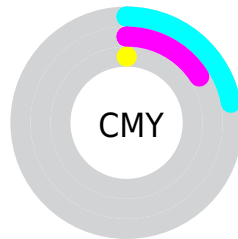
- Red (78%)
- Green (84%)
- Blue (100%)



- Red (78%)
- Yellow (83%)
- Blue (100%)



- Cyan (22%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6498, 67.4552, 104.1678 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 65.6498, 67.4552, 104.1678 by changing the saturation by 10% instead.

■ 65.6498, 67.4552,
104.1678

■ 65.6498, 67.4552,
104.1678

434.6318,
451.5633, 594.8344

■ 48.2548, 49.4546,
79.1496

112.0441,
115.5724, 168.9746

■ 34.2408, 34.9803,
58.4967

141.7741,
146.4579, 209.6003

■ 23.2424, 23.6477,
41.7908

176.3465,
182.4071, 256.2656

■ 14.8943, 15.0725,
28.6132

216.1266,
223.8045, 309.3890

■ 8.8311, 8.8703,
18.5453

261.4799,
271.0344, 369.3890

■ 4.6874, 4.6567,
11.1687

312.7716,

■ 2.0979, 2.0473,

324.4812, 436.6842

6.0648

370.3671,
384.5294, 511.6932

■ 0.6881, 0.6347,
2.8151

■ 0.0000, 0.0000,
1.0010

■ 65.6498, 67.4552,
104.1678

■ 65.6498, 67.4552,
104.1678

■ 54.9854, 55.3424,
102.3919

■ 77.9931, 81.2407,
106.1781

■ 45.9197, 44.8290,
100.8404

■ 92.0795, 96.7527,
108.4298

■ 38.3740, 35.8474,
99.5045

■ 95.0500, 100.0000,
108.9000

■ 32.2605, 28.3223,
98.3742

■ 27.4818, 22.1711,
97.4387

■ 23.9274, 17.3020,
96.6863

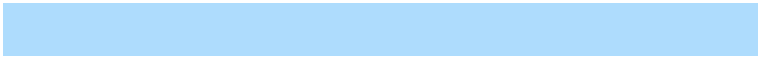
■ 21.4669, 13.6101,
96.1033

■ 20.1361, 11.3921,
95.7454

Harmonies

Analogous

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



60.7423, 67.4552, 102.3293



65.6498, 67.4552, 104.1678



70.3794, 67.4552, 96.9823

Triad

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



65.6498, 67.4552, 104.1678



71.8771, 67.4552, 57.3948



55.5353, 67.4552, 64.0483

Complementary

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



65.6498, 67.4552, 104.1678



82.7089, 87.7032, 66.6040

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.



58.2322, 67.4552, 54.0656



65.6498, 67.4552, 104.1678



67.6085, 67.4552, 50.5857

Square

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



65.6498, 67.4552, 104.1678



74.0958, 67.4552, 69.1697



62.6026, 67.4552, 49.4517



55.0718, 67.4552, 77.8976

Rectangle

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



65.6498, 67.4552, 104.1678



72.7340, 67.4552, 88.5298



62.6026, 67.4552, 49.4517



56.2038, 67.4552, 60.1831

Sweetspot

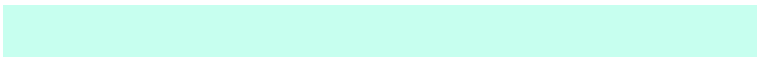
The Sweet Spot groups the original color and five complimentary colors.



65.6517, 67.4578, 104.1682



84.7570, 88.7141, 107.2641



74.9139, 89.9025, 95.1699



17.9603, 18.7889, 22.9300



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.



65.6517, 67.4578, 104.1682



61.1444, 62.3655, 103.4228



65.3771, 61.9373, 103.1171



17.3988, 18.1692, 22.8399



10.6256, 6.1608, 50.0637



1.1200, 0.7706, 4.9030

Inverse Universe

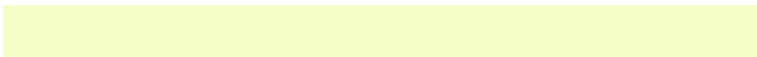
The Inverse Universe completely reimagines the original color for something new.



73.8023, 66.9636, 72.6566



70.5698, 62.0049, 66.9354



82.9856, 94.6748, 67.9350



18.2092, 18.0670, 19.7187



22.1515, 11.3499, 4.1823



2.1999, 1.1223, 0.6342

Previews

White Background



This preview shows how the XYZ color 65.6498, 67.4552, 104.1678 looks on a white background.

Color Contrast Check

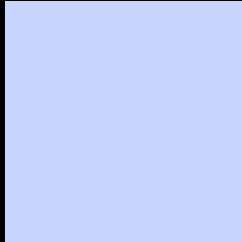
Large Text (above 18pt) WCAG AA × Fail

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 65.6498, 67.4552, 104.1678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

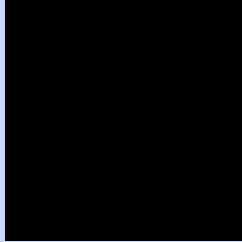
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.6498, 67.4552, 104.1678

Background



This preview shows how black text looks on a background with the XYZ color 65.6498, 67.4552, 104.1678.



This preview shows how white text looks on a background with the XYZ color 65.6498, 67.4552,

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

65.6498, 67.4552, 104.1678

Protanopia

66.8865, 67.3645, 103.2433

Deuteranopia

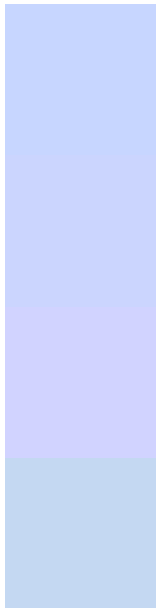
68.5820, 67.1171, 103.9480



Tritanopia

62.3139, 67.2260, 88.2889

Trichromacy



Original Color

65.6498, 67.4552, 104.1678

Protanomaly

66.3122, 67.4408, 103.2883

Deuteranomaly

67.6388, 67.3638, 104.0453

Tritanomaly

63.3478, 67.2583, 93.6478

Monochromacy



Original Color

65.6498, 67.4552, 104.1678

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.4839, 67.3056, 83.7214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6498, 67.4552, 104.1678 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(199, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 214, 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(199, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 214, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.6498, 67.4552, 104.1678 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(199, 214, 255) }
```


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

```
.border{ border-color:rgb(199, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 214,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6498, 67.4552, 104.1678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 214, 255) }
```

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

```
.background{ background-color: rgb(199,  
214, 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