

Converting Colors

XYZ(67.1639, 67.9930,
104.3604)

Have a look what the booklet for
XYZ(67.1639, 67.9930, 104.3604)
contains.

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Color

**XYZ(67.0211, 67.7876,
104.1597)**

Conversions

Conversions Part 1

Format	Color
Hex	CDD5FF
RGB	205, 213, 255
RGB Percent	80%, 84%, 100%
CMY	0.1961, 0.1647, 0.0000
CMYK	0.20, 0.16, 0.00, 0.00
HSL	230°, 100%, 90%
HSV	230°, 20%, 100%
XYZ	67.0211, 67.7876, 104.1597
YIQ	215.3960, -18.2500, 11.3660

Conversions

Conversions Part 2

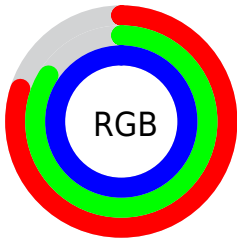
Format	Color
R _Y B	205, 212, 255
Decimal	13489663
CIE Lab	85.90, 5.81, -21.38
CIE LCh	86, 22.151, 285.207
Yxy	67.7876, 0.2805, 0.2837
Android (android.graphics.Color)	4291679743 (0xFFCDD5FF)
YUV	215.3960, 19.5248, -9.1173
Hunter-Lab	82.3332, 1.2199, -17.3745

Details

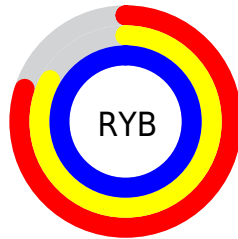
The XYZ color **67.0211, 67.7876, 104.1597** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.5201, 92.1885, 71.0462**, and the grayscale version is **64.7419, 68.1135, 74.1756**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.9976, 35.0150, 58.3401** is the 20% darker color. If you saturate the color by 10%, you get **55.5156, 54.3812, 102.1784**, and if you desaturate by 10%, it is **80.3883, 83.2133, 106.4326**.

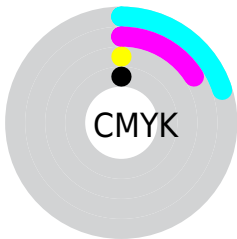
Distribution



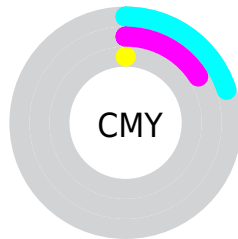
- Red (80%)
- Green (84%)
- Blue (100%)



- Red (80%)
- Yellow (83%)
- Blue (100%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0211, 67.7876, 104.1597 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 67.0211, 67.7876, 104.1597 by changing the saturation by 10% instead.

■ 67.0211, 67.7876,
104.1597

■ 67.0211, 67.7876,
104.1597

439.4512,
452.7431, 594.8085

■ 49.3725, 49.7250,
79.1428

114.0003,
116.0482, 168.9635

■ 35.1308, 35.1949,
58.4912

144.0616,
147.0150, 209.5874

■ 23.9307, 23.8131,
41.7864

178.9912,
183.0520, 256.2508

■ 15.4067, 15.1950,
28.6097

219.1545,
224.5435, 309.3722

■ 9.1935, 8.9564,
18.5428

264.9168,
271.8740, 369.3702

■ 4.9257, 4.7127,
11.1669

316.6434,

■ 2.2380, 2.0797,

325.4278, 436.6632

6.0636

374.6997,
385.5894, 511.6698

■ 0.7627, 0.6532,
2.8144

■ 0.0000, 0.0000,
1.0007

■ 67.0211, 67.7876,
104.1597

■ 67.0211, 67.7876,
104.1597

■ 55.5156, 54.3812,
102.1784

■ 80.3883, 83.2133,
106.4326

■ 45.7829, 42.9022,
100.4757

95.0500, 100.0000,
108.9000

■ 37.7355, 33.2634,
99.0393

■ 31.2757, 25.3675,
97.8558

■ 26.2960, 19.1083,
96.9101

■ 22.6749, 14.3672,
96.1858

■ 20.2704, 11.0093,
95.6644

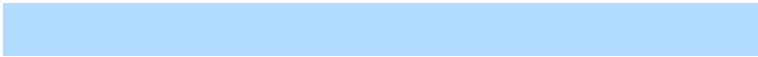
■ 18.8783, 8.8579,
95.3225

■ 18.8364, 8.7928,
95.3121

Harmonies

Analogous

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



61.9731, 67.7876, 104.2255



67.0211, 67.7876, 104.1597



71.5984, 67.7876, 95.2772

Triad

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



67.0211, 67.7876, 104.1597



71.5449, 67.7876, 55.7169



55.4573, 67.7876, 66.9082

Complementary

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



67.0211, 67.7876, 104.1597



85.5201, 92.1885, 71.0462

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.



57.7569, 67.7876, 55.8355



67.0211, 67.7876, 104.1597



66.9511, 67.7876, 49.9736

Square

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



67.0211, 67.7876, 104.1597



74.3019, 67.7876, 66.7255



61.9067, 67.7876, 50.0139



55.4738, 67.7876, 81.3772

Rectangle

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



67.0211, 67.7876, 104.1597



73.6910, 67.7876, 86.1458



61.9067, 67.7876, 50.0139



55.9795, 67.7876, 62.7104

Sweetspot

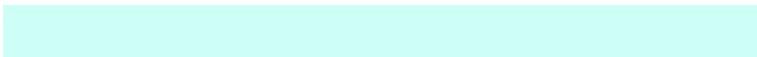
The Sweet Spot groups the original color and five complimentary colors.



67.0230, 67.7903, 104.1601



85.6798, 89.2856, 107.3258



77.6748, 91.1944, 101.2350



18.1299, 18.8711, 22.9369



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.



67.0230, 67.7903, 104.1601



61.7434, 61.6561, 103.2543



69.9048, 66.3613, 103.7324



17.2377, 17.8471, 22.7863



9.9113, 4.7322, 49.8256



1.0291, 0.5888, 4.8727

Inverse Universe

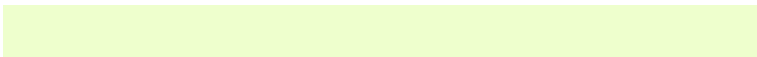
The Inverse Universe completely reimagines the original color for something new.



75.0828, 69.7283, 72.4554



71.3378, 64.0948, 65.4837



82.1520, 94.1630, 71.6048



18.1279, 18.0345, 19.2907



21.7910, 11.2057, 2.2838



2.1540, 1.1040, 0.3925

Previews

White Background



This preview shows how the XYZ color 67.0211, 67.7876, 104.1597 looks on a white background.

Color Contrast Check

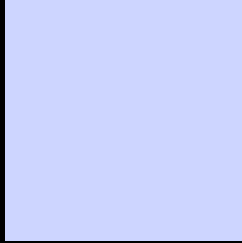
Large Text (above 18pt) WCAG AA × Fail

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 67.0211, 67.7876, 104.1597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

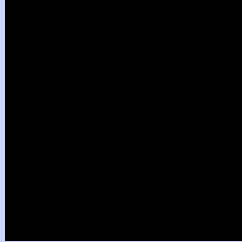
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.0211, 67.7876, 104.1597

Background



This preview shows how black text looks on a background with the XYZ color 67.0211, 67.7876, 104.1597.



This preview shows how white text looks on a background with the XYZ color 67.0211, 67.7876,

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

67.0211, 67.7876, 104.1597

Protanopia

67.2978, 67.9303, 104.1726

Deuteranopia

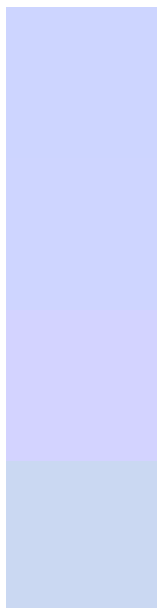
69.1209, 67.7603, 104.0437



Tritanopia

63.7515, 67.9837, 87.6040

Trichromacy



Original Color

67.0211, 67.7876, 104.1597

Protanomaly

67.2978, 67.9303, 104.1726

Deuteranomaly

68.2082, 67.6574, 104.0720

Tritanomaly

64.9400, 68.0791, 93.7223

Monochromacy



Original Color

67.0211, 67.7876, 104.1597

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.1935, 67.6552, 84.4856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0211, 67.7876, 104.1597 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(205, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 213, 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(205, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 213, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.0211, 67.7876, 104.1597 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(205, 213, 255) }
```


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

```
.border{ border-color:rgb(205, 213, 255) }
```

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

Here you see how a box with a 4 pixel rgb(205, 213, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 213,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0211, 67.7876, 104.1597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 213, 255) }
```

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

```
.background{ background-color: rgb(205,  
213, 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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