

Converting Colors

XYZ(63.7246, 67.5112, 95.7309)

Have a look what the booklet for
XYZ(63.7246, 67.5112, 95.7309)
contains.

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Color

**XYZ(63.8022, 67.4401,
96.0407)**

Conversions

Conversions Part 1

Format	Color
Hex	C4D8F5
RGB	196, 216, 245
RGB Percent	77%, 85%, 96%
CMY	0.2314, 0.1529, 0.0392
CMYK	0.20, 0.12, 0.00, 0.04
HSL	216°, 71%, 86%
HSV	216°, 20%, 96%
XYZ	63.8022, 67.4401, 96.0407
YIQ	213.3260, -21.2290, 4.7790

Conversions

Conversions Part 2

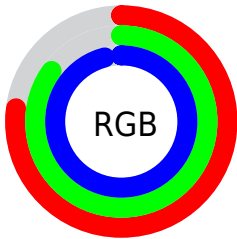
Format	Color
R _{YB}	196, 210, 245
Decimal	12900597
CIE Lab	85.73, -0.68, -16.42
CIE LCh	86, 16.431, 267.629
Yxy	67.4401, 0.2807, 0.2967
Android (android.graphics.Color)	4291090677 (0xFFC4D8F5)
YUV	213.3260, 15.6153, -15.1949
Hunter-Lab	82.1219, -5.0331, -11.8537

Details

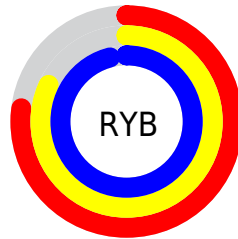
The XYZ color **63.8022, 67.4401, 96.0407** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.5457, 77.2482, 63.2074**, and the grayscale version is **63.3746, 66.6750, 72.6091**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **33.0855, 34.9146, 53.1395** is the 20% darker color. If you saturate the color by 10%, you get **54.3906, 57.3167, 94.5838**, and if you desaturate by 10%, it is **74.5863, 78.7610, 97.6586**.

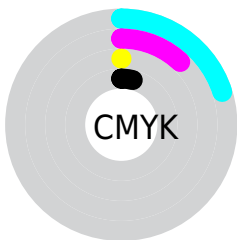
Distribution



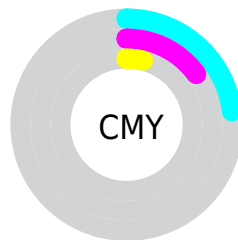
- Red (77%)
- Green (85%)
- Blue (96%)



- Red (77%)
- Yellow (82%)
- Blue (96%)



- Cyan (20%)
- Magenta (12%)
- Yellow (0%)
- Black (4%)



- Cyan (23%)
- Magenta (15%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8022, 67.4401, 96.0407 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 63.8022, 67.4401, 96.0407 by changing the saturation by 10% instead.

■ 63.8022, 67.4401,
96.0407

■ 63.8022, 67.4401,
96.0407

428.0885,
451.5097, 568.5605

■ 46.7516, 49.4424,
72.3998

109.4014,
115.5508, 157.7095

■ 33.0464, 34.9705,
52.9965

138.6806,
146.4326, 196.5745

■ 22.3214, 23.6402,
37.4123

172.7667,
182.3778, 241.3513

■ 14.2112, 15.0669,
25.2286

212.0251,
223.7709, 292.4583

■ 8.3504, 8.8664,
16.0269

256.8212,
270.9962, 350.3143

■ 4.3736, 4.6541,
9.3886

307.5202,

■ 1.9156, 2.0458,

324.4382, 415.3376

4.8952

364.4875,
384.4812, 487.9468

■ 0.5859, 0.6339,
2.1283

■ 0.0000, 0.0000,
0.6325

■ 63.8022, 67.4401,
96.0407

■ 63.8022, 67.4401,
96.0407

■ 54.3906, 57.3167,
94.5838

■ 74.5863, 78.7610,
97.6586

■ 46.2865, 48.3396,
93.2782

■ 86.7918, 91.3117,
99.4378

■ 39.4284, 40.4660,
92.1199

■ 93.4816, 99.3727,
100.6411

■ 33.7474, 33.6465,
91.1030

■ 29.1668, 27.8275,
90.2213

■ 25.6002, 22.9494,
89.4677

■ 22.9458, 18.9439,
88.8345

■ 21.0403, 15.7099,
88.3107

■ 21.0402, 15.7097,
88.3106

Harmonies

Analogous

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



60.3187, 67.4401, 92.2767



63.8022, 67.4401, 96.0407



67.5000, 67.4401, 93.2743

Triad

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



63.8022, 67.4401, 96.0407



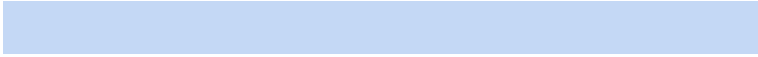
70.6983, 67.4401, 64.2700



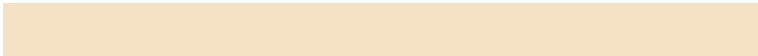
58.2042, 67.4401, 62.9267

Complementary

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



63.8022, 67.4401, 96.0407



74.5457, 77.2482, 63.2074

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.



60.8158, 67.4401, 56.6224



63.8022, 67.4401, 96.0407



68.0357, 67.4401, 57.3432

Square

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



63.8022, 67.4401, 96.0407



71.5725, 67.4401, 74.2877



64.3983, 67.4401, 54.6810



57.1662, 67.4401, 72.5805

Rectangle

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



63.8022, 67.4401, 96.0407



69.5723, 67.4401, 88.2353



64.3983, 67.4401, 54.6810



58.9220, 67.4401, 60.3824

Sweetspot

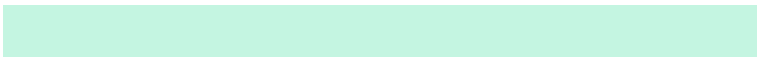
The Sweet Spot groups the original color and five complimentary colors.



63.8043, 67.4429, 96.0422



86.8227, 91.5713, 107.7067



68.9524, 82.4553, 83.2191



18.3994, 19.4101, 23.0267



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.



63.8043, 67.4429, 96.0422



65.5218, 69.2128, 104.5138



60.0644, 58.3647, 94.4871



16.1366, 17.0376, 20.9807



11.4626, 8.7191, 47.6168



1.1058, 0.9630, 4.2178

Inverse Universe

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



69.7924, 63.8517, 73.6151



73.2449, 64.8577, 75.5265



78.8646, 87.9776, 65.0507



16.7795, 16.5947, 18.5857



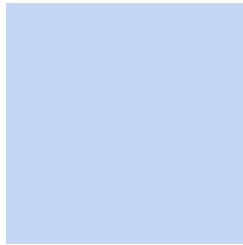
21.5903, 10.9796, 7.8170



1.9472, 0.9849, 0.9485

Previews

White Background



This preview shows how the XYZ color 63.8022, 67.4401, 96.0407 looks on a white background.

Color Contrast Check

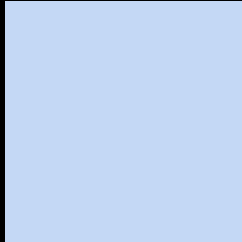
Large Text (above 18pt) WCAG AA × Fail

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 63.8022, 67.4401, 96.0407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

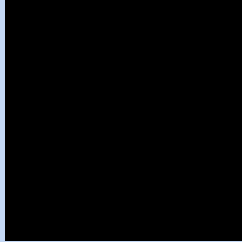
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

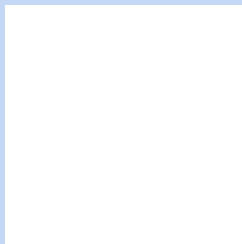
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8022, 67.4401, 96.0407

Background



This preview shows how black text looks on a background with the XYZ color 63.8022, 67.4401, 96.0407.



This preview shows how white text looks on a background with the XYZ color 63.8022, 67.4401,

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

63.8022, 67.4401, 96.0407

Protanopia

66.0156, 67.1133, 94.2688

Deuteranopia

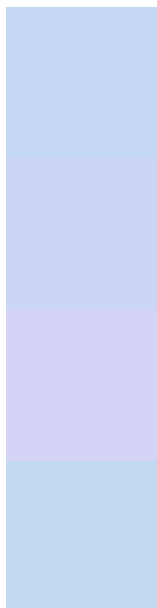
68.6484, 67.3148, 96.5637



Tritanopia

62.3149, 67.6103, 88.3630

Trichromacy



Original Color

63.8022, 67.4401, 96.0407

Protanomaly

65.0252, 66.9575, 95.0848

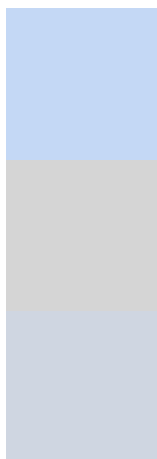
Deuteranomaly

67.0420, 67.5897, 96.7014

Tritanomaly

62.8985, 67.4598, 91.3673

Monochromacy



Original Color

63.8022, 67.4401, 96.0407

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.3693, 66.7948, 80.7869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8022, 67.4401, 96.0407 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(196, 216, 245)` looks like.

```
.text, #text, p{  
    color:rgb(196, 216, 245)  
}
```

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(196, 216, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 216, 245) }
```

Border

The CSS property to change the border of an element to XYZ 63.8022, 67.4401, 96.0407 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(196, 216, 245) }
```


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

```
.border{ border-color:rgb(196, 216, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 216, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 216, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 216, 245);  
box-shadow:4px 4px 4px 4px rgb(196, 216,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8022, 67.4401, 96.0407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 216, 245) }
```

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

```
.background{ background-color: rgb(196,  
216, 245) }
```

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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