

Converting Colors

XYZ(64.6688, 64.9354, 97.1219)

Have a look what the booklet for
XYZ(64.6688, 64.9354, 97.1219)
contains.

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Color

**XYZ(64.5212, 64.8063,
97.1039)**

Conversions

Conversions Part 1

Format	Color
Hex	CDD0F7
RGB	205, 208, 247
RGB Percent	80%, 82%, 97%
CMY	0.1961, 0.1843, 0.0314
CMYK	0.17, 0.16, 0.00, 0.03
HSL	236°, 72%, 89%
HSV	236°, 17%, 97%
XYZ	64.5212, 64.8063, 97.1039
YIQ	211.5490, -14.3070, 11.4930

Conversions

Conversions Part 2

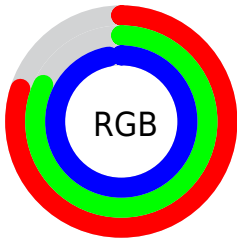
Format	Color
R _{YB}	205, 208, 247
Decimal	13488375
CIE Lab	84.38, 6.74, -19.44
CIE LCh	84, 20.572, 289.133
Yxy	64.8063, 0.2849, 0.2862
Android (android.graphics.Color)	4291678455 (0xFFCDD0F7)
YUV	211.5490, 17.4773, -5.7435
Hunter-Lab	80.5024, 2.1854, -15.1654

Details

The XYZ color **64.5212, 64.8063, 97.1039** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.7283, 88.8830, 70.6077**, and the grayscale version is **62.1763, 65.4143, 71.2362**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.5372, 33.3568, 53.9611** is the 20% darker color. If you saturate the color by 10%, you get **53.0452, 51.1824, 95.0801**, and if you desaturate by 10%, it is **77.8853, 80.6070, 99.4504**.

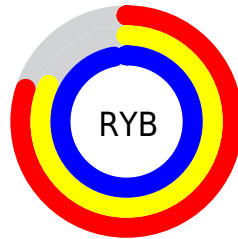
Distribution



Red (80%)

Green (82%)

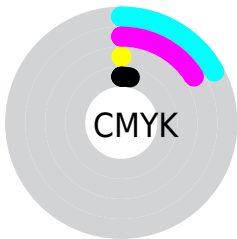
Blue (97%)



Red (80%)

Yellow (82%)

Blue (97%)

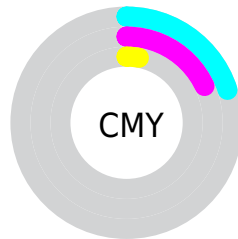


Cyan (17%)

Magenta (16%)

Yellow (0%)

Black (3%)



Cyan (20%)

Magenta (18%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5212, 64.8063, 97.1039 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 64.5212, 64.8063, 97.1039 by changing the saturation by 10% instead.

■ 64.5212, 64.8063,
97.1039

■ 64.5212, 64.8063,
97.1039

430.6418,
442.0956, 572.0342

■ 47.3362, 47.3040,
73.2808

110.4308,
111.7713, 159.1885

■ 33.5106, 33.2761,
53.7123

139.8860,
142.0029, 198.2871

■ 22.6790, 22.3380,
37.9801

174.1621,
177.2463, 243.3146

■ 14.4760, 14.1055,
25.6656

213.6243,
217.8860, 294.6895

■ 8.5364, 8.1941,
16.3501

258.6380,
264.3064, 352.8303

■ 4.4947, 4.2194,
9.6152

309.5686,

■ 1.9856, 1.7970,

316.8919, 418.1557

5.0423

366.7814,
376.0268, 491.0841

■ 0.6259, 0.4853,
2.2129

■ 0.0000, 0.0000,
0.6818

■ 64.5212, 64.8063,
97.1039

■ 64.5212, 64.8063,
97.1039

■ 53.0452, 51.1824,
95.0801

■ 77.8853, 80.6070,
99.4504

■ 43.3664, 39.6323,
93.3609

■ 93.2110, 98.6657,
102.1284

■ 35.3954, 30.0565,
91.9327

■ 93.7887, 99.4955,
102.2581

■ 29.0328, 22.3444,
90.7794

■ 24.1688, 16.3742,
89.8834

■ 20.6799, 12.0098,
89.2249

■ 18.4227, 9.0945,
88.7811

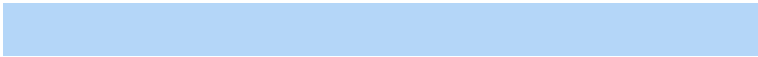
■ 17.2190, 7.4385,
88.5250

■ 16.9995, 7.1370,
88.4783

Harmonies

Analogous

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



59.9549, 64.8063, 98.2700



64.5212, 64.8063, 97.1039



68.4822, 64.8063, 88.3398

Triad

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



64.5212, 64.8063, 97.1039



67.5256, 64.8063, 53.1942



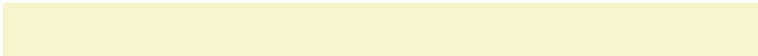
53.3649, 64.8063, 65.9250

Complementary

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



64.5212, 64.8063, 97.1039



81.7283, 88.8830, 70.6077

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.



55.1884, 64.8063, 55.3470



64.5212, 64.8063, 97.1039



63.2677, 64.8063, 48.6249

Square

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



64.5212, 64.8063, 97.1039



70.2752, 64.8063, 62.6331



58.7614, 64.8063, 49.3610



53.6634, 64.8063, 79.1356

Rectangle

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



64.5212, 64.8063, 97.1039



70.1760, 64.8063, 79.9102



58.7614, 64.8063, 49.3610



53.7463, 64.8063, 61.9747

Sweetspot

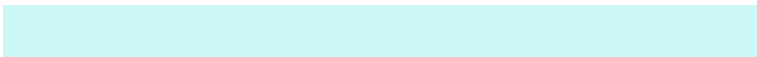
The Sweet Spot groups the original color and five complimentary colors.



64.5232, 64.8090, 97.1054



86.8527, 90.3394, 107.4674



74.6921, 86.0032, 97.8551



18.3527, 19.0563, 22.9609



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.



64.5232, 64.8090, 97.1054



65.4214, 64.9965, 103.7052



68.8988, 65.9882, 97.1024



15.6763, 16.1169, 20.8272



9.0268, 3.8473, 46.8049



0.8259, 0.4032, 4.1245

Inverse Universe

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



71.5758, 67.9925, 69.0289



74.1745, 68.9824, 68.8517



76.7543, 87.6709, 70.6359



16.5472, 16.5017, 17.3620



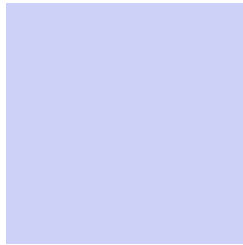
20.3608, 10.4878, 1.3424



1.8059, 0.9283, 0.2044

Previews

White Background



This preview shows how the XYZ color 64.5212, 64.8063, 97.1039 looks on a white background.

Color Contrast Check

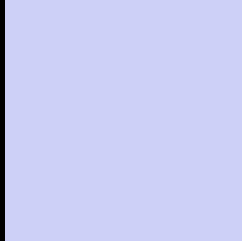
Large Text (above 18pt) WCAG AA × Fail

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 64.5212, 64.8063, 97.1039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

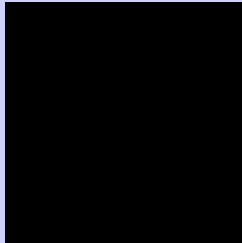
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5212, 64.8063, 97.1039

Background



This preview shows how black text looks on a background with the XYZ color 64.5212, 64.8063, 97.1039.

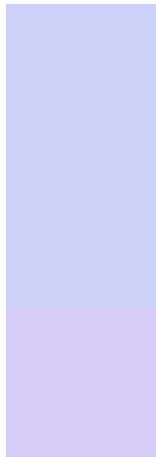


This preview shows how white text looks on a background with the XYZ color 64.5212, 64.8063,

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

64.5212, 64.8063, 97.1039

Protanopia

64.2176, 65.0128, 97.1598

Deuteranopia

66.2152, 64.5861, 97.7834



Tritanopia

61.6550, 64.7465, 82.6466

Trichromacy



Original Color

64.5212, 64.8063, 97.1039

Protanomaly

64.4908, 65.1537, 97.1726

Deuteranomaly

65.5929, 64.6216, 97.8230

Tritanomaly

62.6706, 64.7879, 87.7995

Monochromacy



Original Color

64.5212, 64.8063, 97.1039

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.1794, 65.5801, 80.5625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5212, 64.8063, 97.1039 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, 208, 247)` looks like.

```
.text, #text, p{  
    color:rgb(205, 208, 247)  
}
```

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, 208, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 208, 247) }
```

Border

The CSS property to change the border of an element to XYZ 64.5212, 64.8063, 97.1039 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, 208, 247) }
```


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

```
.border{ border-color:rgb(205, 208, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 208, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 208, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 208, 247);  
box-shadow:4px 4px 4px 4px rgb(205, 208,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5212, 64.8063, 97.1039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 208, 247) }
```

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

```
.background{ background-color: rgb(205,  
208, 247) }
```

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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