

Converting Colors

XYZ(65.0863, 63.6309, 87.2077)

Have a look what the booklet for
XYZ(65.0863, 63.6309, 87.2077)
contains.

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Color

**XYZ(64.9666, 63.4617,
87.4225)**

Conversions

Conversions Part 1

Format	Color
Hex	D9CBEB
RGB	217, 203, 235
RGB Percent	85%, 80%, 92%
CMY	0.1490, 0.2039, 0.0784
CMYK	0.08, 0.14, 0.00, 0.08
HSL	266°, 44%, 86%
HSV	266°, 14%, 92%
XYZ	64.9666, 63.4617, 87.4225
YIQ	210.8340, -1.9280, 12.9200

Conversions

Conversions Part 2

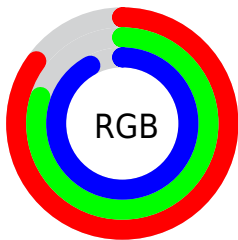
Format	Color
R _Y B	217, 203, 235
Decimal	14273515
CIE Lab	83.68, 10.77, -14.02
CIE LCh	84, 17.674, 307.523
Yxy	63.4617, 0.3010, 0.2940
Android (android.graphics.Color)	4292463595 (0xFFD9CBEB)
YUV	210.8340, 11.9138, 5.4076
Hunter-Lab	79.6629, 6.1602, -9.3012

Details

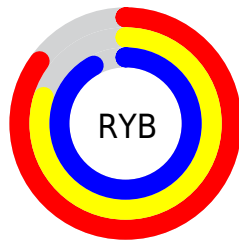
The XYZ color **64.9666, 63.4617, 87.4225** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **70.3088, 79.1022, 68.0655**, and the grayscale version is **61.7337, 64.9487, 70.7291**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.7844, 32.4309, 47.1270** is the 20% darker color. If you saturate the color by 10%, you get **56.0592, 51.2477, 85.5354**, and if you desaturate by 10%, it is **75.0338, 77.5257, 89.6075**.

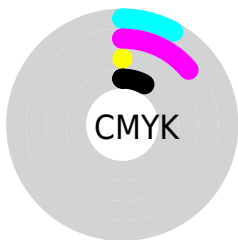
Distribution



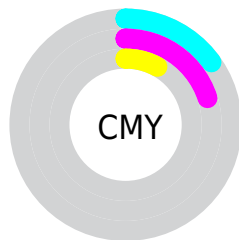
- Red (85%)
- Green (80%)
- Blue (92%)



- Red (85%)
- Yellow (80%)
- Blue (92%)



- Cyan (8%)
- Magenta (14%)
- Yellow (0%)
- Black (8%)



- Cyan (15%)
- Magenta (20%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9666, 63.4617, 87.4225 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 64.9666, 63.4617, 87.4225 by changing the saturation by 10% instead.

■ 64.9666, 63.4617,
87.4225

■ 64.9666, 63.4617,
87.4225

432.2190,
437.2432, 539.9624

■ 47.6986, 46.2148,
65.2833

111.0678,
109.8353, 145.6569

■ 33.7985, 32.4154,
47.2380

140.6317,
139.7309, 182.5893

■ 22.9010, 21.6790,
32.8682

175.0250,
174.6114, 225.2897

■ 14.6407, 13.6212,
21.7552

214.6130,
214.8614, 274.1768

■ 8.6523, 7.8577,
13.4805

259.7610,
260.8651, 329.6690

■ 4.5704, 4.0040,
7.6257

310.8345,

■ 2.0296, 1.6758,

313.0071, 392.1850

3.7720

368.1987,
371.6716, 462.1433

■ 0.6505, 0.4079,
1.5011

■ 0.0000, 0.0000,
0.2188

■ 64.9666, 63.4617,
87.4225

■ 64.9666, 63.4617,
87.4225

■ 56.0592, 51.2477,
85.5354

■ 75.0338, 77.5257,
89.6075

■ 48.2608, 40.7964,
83.9291

■ 86.2975, 93.5059,
92.0983

■ 41.5250, 32.0253,
82.5911

■ 91.9956, 98.7782,
92.8157

■ 35.7999, 24.8420,
81.5064

■ 31.0284, 19.1449,
80.6582

■ 27.1473, 14.8202,
80.0280

■ 24.0842, 11.7366,
79.5943

■ 21.7527, 9.7353,
79.3309

■ 20.5666, 8.8702,
79.2264

Harmonies

Analogous

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



61.2982, 63.4617, 92.4608



64.9666, 63.4617, 87.4225



67.4611, 63.4617, 77.5736

Triad

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



64.9666, 63.4617, 87.4225



63.2092, 63.4617, 51.2135



53.2359, 63.4617, 71.9277

Complementary

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



64.9666, 63.4617, 87.4225



70.3088, 79.1022, 68.0655

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.



53.6986, 63.4617, 61.2652



64.9666, 63.4617, 87.4225



59.3492, 63.4617, 50.0465

Square

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



64.9666, 63.4617, 87.4225



66.4166, 63.4617, 56.9113



55.8975, 63.4617, 53.5334



54.6055, 63.4617, 82.9132

Rectangle

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



64.9666, 63.4617, 87.4225



68.0647, 63.4617, 70.0245



55.8975, 63.4617, 53.5334



53.1834, 63.4617, 68.1817

Sweetspot

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



64.9685, 63.4644, 87.4239



89.8023, 92.5918, 107.7467



65.5179, 70.4803, 88.7491



19.0157, 19.5292, 23.0172



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.



64.9685, 63.4644, 87.4239



75.4416, 72.5783, 104.6406



69.9139, 66.0138, 87.6553



14.8564, 14.8713, 19.0097



11.5869, 5.0092, 44.0991



1.0185, 0.4494, 3.4679

Inverse Universe

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



68.6702, 65.5972, 77.4517



80.6455, 75.5777, 90.5745



65.7037, 76.7282, 67.8500



15.4204, 15.1960, 17.4989



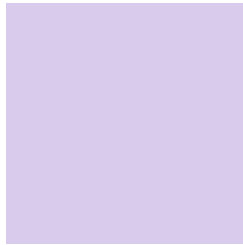
21.4585, 10.7861, 13.4819



1.7332, 0.8662, 1.3125

Previews

White Background



This preview shows how the XYZ color 64.9666, 63.4617, 87.4225 looks on a white background.

Color Contrast Check

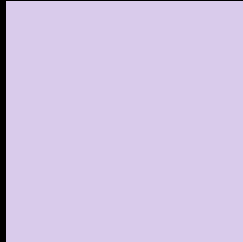
Large Text (above 18pt) WCAG AA × Fail

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 64.9666, 63.4617, 87.4225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

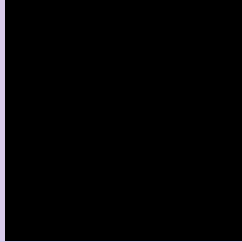
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.9666, 63.4617, 87.4225

Background



This preview shows how black text looks on a background with the XYZ color 64.9666, 63.4617, 87.4225.



This preview shows how white text looks on a background with the XYZ color 64.9666, 63.4617,

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

64.9666, 63.4617, 87.4225

Protanopia

62.6473, 63.6361, 89.8700

Deuteranopia

64.9666, 63.4617, 87.4225



Tritanopia

62.9068, 63.3302, 77.3150

Trichromacy



Original Color

64.9666, 63.4617, 87.4225

Protanomaly

63.6519, 63.8123, 89.0830

Deuteranomaly

64.9666, 63.4617, 87.4225

Tritanomaly

63.6392, 63.2756, 80.8108

Monochromacy



Original Color

64.9666, 63.4617, 87.4225

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

62.9147, 64.4252, 76.8295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9666, 63.4617, 87.4225 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(217, 203, 235)` looks like.

```
.text, #text, p{  
    color:rgb(217, 203, 235)  
}
```

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(217, 203, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 203, 235) }
```

Border

The CSS property to change the border of an element to XYZ 64.9666, 63.4617, 87.4225 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(217, 203, 235) }
```


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

```
.border{ border-color:rgb(217, 203, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 203, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 203, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 203, 235);  
box-shadow:4px 4px 4px 4px rgb(217, 203,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9666, 63.4617, 87.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 203, 235) }
```

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

```
.background{ background-color: rgb(217,  
203, 235) }
```

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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