

Converting Colors

XYZ(63.4363, 66.2788, 84.1666)

Have a look what the booklet for
XYZ(63.4363, 66.2788, 84.1666)
contains.

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Color

**XYZ(63.5308, 66.4235,
84.3355)**

Conversions

Conversions Part 1

Format	Color
Hex	CED5E6
RGB	206, 213, 230
RGB Percent	81%, 84%, 90%
CMY	0.1921, 0.1647, 0.0980
CMYK	0.10, 0.07, 0.00, 0.10
HSL	222°, 32%, 85%
HSV	222°, 10%, 90%
XYZ	63.5308, 66.4235, 84.3355
YIQ	212.8450, -9.6290, 3.8030

Conversions

Conversions Part 2

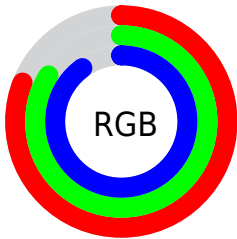
Format	Color
R _Y B	206, 211, 230
Decimal	13555174
CIE Lab	85.21, 0.91, -9.17
CIE LCh	85, 9.216, 275.686
Yxy	66.4235, 0.2965, 0.3100
Android (android.graphics.Color)	4291745254 (0xFFCED5E6)
YUV	212.8450, 8.4574, -6.0031
Hunter-Lab	81.5006, -3.4830, -4.3019

Details

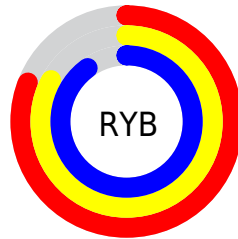
The XYZ color **63.5308, 66.4235, 84.3355** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.1617, 74.0542, 68.9898**, and the grayscale version is **63.0938, 66.3796, 72.2874**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.9136, 34.2243, 45.4286** is the 20% darker color. If you saturate the color by 10%, you get **53.7138, 55.5844, 82.7618**, and if you desaturate by 10%, it is **74.6976, 78.5729, 86.0931**.

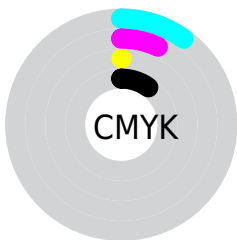
Distribution



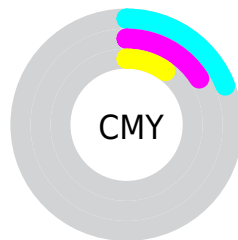
- Red (81%)
- Green (84%)
- Blue (90%)



- Red (81%)
- Yellow (83%)
- Blue (90%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)



- Cyan (19%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5308, 66.4235, 84.3355 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 63.5308, 66.4235, 84.3355 by changing the saturation by 10% instead.

■ 63.5308, 66.4235,
84.3355

■ 63.5308, 66.4235,
84.3355

427.1224,
447.8899, 529.5138

■ 46.5310, 48.6163,
62.7455

109.0125,
114.0940, 141.3103

■ 32.8714, 34.3152,
45.1957

138.2250,
144.7260, 177.5322

■ 22.1867, 23.1358,
31.2675

172.2393,
180.4017, 219.4684

■ 14.1116, 14.6938,
20.5425

211.4205,
221.5055, 267.5375

■ 8.2805, 8.6048,
12.6020

256.1340,
268.4219, 322.1581

■ 4.3283, 4.4843,
7.0276

306.7453,

■ 1.8895, 1.9480,

321.5352, 383.7486

3.4006

363.6197,
381.2297, 452.7277

■ 0.5707, 0.5770,
1.3027

■ 0.0000, 0.0000,
0.0640

■ 63.5308, 66.4235,
84.3355

■ 63.5308, 66.4235,
84.3355

■ 53.7138, 55.5844,
82.7618

■ 74.6976, 78.5729,
86.0931

■ 45.1883, 46.0022,
81.3616

■ 87.2578, 92.0671,
88.0357

■ 37.9001, 37.6321,
80.1301

■ 91.2831, 98.4933,
89.0639

■ 31.7890, 30.4233,
79.0608

■ 26.7894, 24.3210,
78.1464

■ 22.8288, 19.2657,
77.3794

■ 19.8255, 15.1915,
76.7513

■ 17.6839, 12.0236,
76.2527

■ 16.2970, 9.7409,
75.8852

Harmonies

Analogous

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



61.5005, 66.4235, 83.2765



63.5308, 66.4235, 84.3355



65.4963, 66.4235, 82.0355

Triad

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



63.5308, 66.4235, 84.3355



66.4392, 66.4235, 65.8435



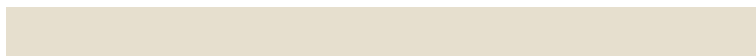
59.5572, 66.4235, 67.7080

Complementary

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



63.5308, 66.4235, 84.3355



70.1617, 74.0542, 68.9898

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.



60.8283, 66.4235, 63.4107



63.5308, 66.4235, 84.3355



64.7952, 66.4235, 62.3763

Square

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



63.5308, 66.4235, 84.3355



67.1990, 66.4235, 71.1945



62.7379, 66.4235, 61.5106



59.2354, 66.4235, 73.4652

Rectangle

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



63.5308, 66.4235, 84.3355



66.4961, 66.4235, 78.9774



62.7379, 66.4235, 61.5106



59.8863, 66.4235, 66.0550

Sweetspot

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



63.5328, 66.4263, 84.3370



90.5872, 95.1697, 108.2029



67.0439, 75.0335, 80.6212



19.1399, 20.0995, 23.1208



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.



63.5328, 66.4263, 84.3370



76.8508, 80.1709, 106.0318



63.1622, 63.6765, 83.8257



13.9238, 14.5689, 18.2226



9.3180, 5.6980, 42.9919



0.7667, 0.5773, 3.2030

Inverse Universe

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



66.7162, 65.7712, 72.1328



81.8192, 79.2220, 86.9681



70.5522, 77.0907, 69.5553



14.5491, 14.4368, 15.8260



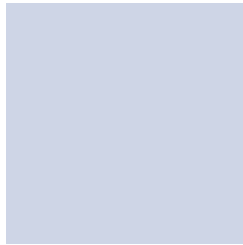
19.0968, 9.7729, 4.1387



1.4506, 0.7380, 0.5135

Previews

White Background



This preview shows how the XYZ color 63.5308, 66.4235, 84.3355 looks on a white background.

Color Contrast Check

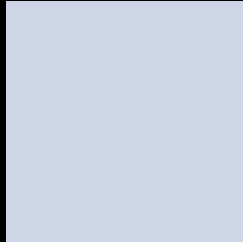
Large Text (above 18pt) WCAG AA × Fail

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 63.5308, 66.4235, 84.3355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

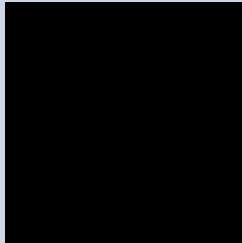
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

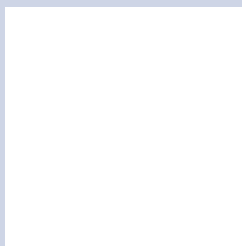
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.5308, 66.4235, 84.3355

Background



This preview shows how black text looks on a background with the XYZ color 63.5308, 66.4235, 84.3355.

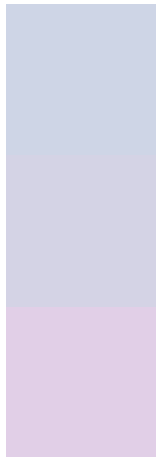


This preview shows how white text looks on a background with the XYZ color 63.5308, 66.4235,

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

63.5308, 66.4235, 84.3355

Protanopia

64.5885, 66.2427, 83.5107

Deuteranopia

67.7880, 66.4027, 84.8455



Tritanopia

63.5308, 66.4235, 84.3355

Trichromacy



Original Color

63.5308, 66.4235, 84.3355

Protanomaly

64.2647, 66.4457, 83.5669

Deuteranomaly

66.1377, 66.2759, 84.9080

Tritanomaly

63.5308, 66.4235, 84.3355

Monochromacy



Original Color

63.5308, 66.4235, 84.3355

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.1588, 66.4046, 76.5064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5308, 66.4235, 84.3355 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(206, 213, 230)` looks like.

```
.text, #text, p{  
    color:rgb(206, 213, 230)  
}
```

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(206, 213, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 213, 230) }
```

Border

The CSS property to change the border of an element to XYZ 63.5308, 66.4235, 84.3355 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(206, 213, 230) }
```


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

```
.border{ border-color:rgb(206, 213, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 213, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 213, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 213, 230);  
box-shadow:4px 4px 4px 4px rgb(206, 213,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5308, 66.4235, 84.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 213, 230) }
```

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

```
.background{ background-color: rgb(206,  
213, 230) }
```

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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