

Converting Colors

XYZ(63.6545, 66.5283, 83.9826)

Have a look what the booklet for
XYZ(63.6545, 66.5283, 83.9826)
contains.

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Color

**XYZ(63.8093, 66.5671,
84.3485)**

Conversions

Conversions Part 1

Format	Color
Hex	CFD5E6
RGB	207, 213, 230
RGB Percent	81%, 84%, 90%
CMY	0.1882, 0.1647, 0.0980
CMYK	0.10, 0.07, 0.00, 0.10
HSL	224°, 32%, 86%
HSV	224°, 10%, 90%
XYZ	63.8093, 66.5671, 84.3485
YIQ	213.1440, -9.0330, 4.0150

Conversions

Conversions Part 2

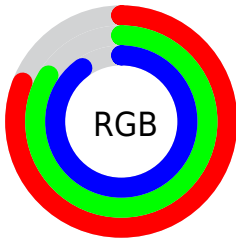
Format	Color
R_{YB}	207, 212, 230
Decimal	13620710
CIE Lab	85.28, 1.24, -9.05
CIE LCh	85, 9.138, 277.779
Yxy	66.5671, 0.2972, 0.3100
Android (android.graphics.Color)	4291810790 (0xFFCFD5E6)
YUV	213.1440, 8.3100, -5.3883
Hunter-Lab	81.5887, -3.1779, -4.1835

Details

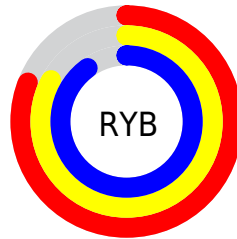
The XYZ color **63.8093, 66.5671, 84.3485** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.5515, 74.6387, 69.7209**, and the grayscale version is **63.2943, 66.5905, 72.5171**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1016, 34.3212, 45.4374** is the 20% darker color. If you saturate the color by 10%, you get **53.7924, 55.3873, 82.7196**, and if you desaturate by 10%, it is **75.2142, 79.1312, 86.1736**.

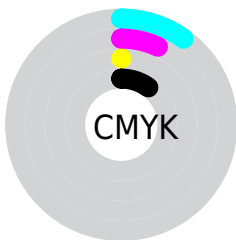
Distribution



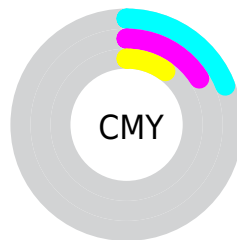
- Red (81%)
- Green (84%)
- Blue (90%)



- 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 63.8093, 66.5671, 84.3485 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 63.8093, 66.5671, 84.3485 by changing the saturation by 10% instead.

■ 63.8093, 66.5671,
84.3485

■ 63.8093, 66.5671,
84.3485

428.1138,
448.4023, 529.5581

■ 46.7573, 48.7329,
62.7562

109.4115,
114.2999, 141.3286

■ 33.0510, 34.4077,
45.2042

138.6925,
144.9673, 177.5535

■ 22.3249, 23.2069,
31.2742

172.7805,
180.6812, 219.4930

■ 14.2138, 14.7464,
20.5475

212.0409,
221.8260, 267.5656

■ 8.3522, 8.6416,
12.6057

256.8391,
268.7861, 322.1898

■ 4.3748, 4.5082,
7.0300

307.5404,

■ 1.9163, 1.9617,

321.9460, 383.7843

3.4022

364.5102,
381.6899, 452.7675

■ 0.5863, 0.5851,
1.3035

■ 0.0000, 0.0000,
0.0646

■ 63.8093, 66.5671,
84.3485

■ 63.8093, 66.5671,
84.3485

■ 53.7924, 55.3873,
82.7196

■ 75.2142, 79.1312,
86.1736

■ 45.1037, 45.5351,
81.2759

■ 88.0523, 93.1171,
88.1965

■ 37.6874, 36.9623,
80.0120

■ 91.2831, 98.4932,
89.0639

■ 31.4816, 29.6143,
78.9208

■ 26.4187, 23.4323,
77.9944

■ 22.4244, 18.3525,
77.2244

■ 19.4149, 14.3042,
76.6016

■ 17.2924, 11.2073,
76.1157

■ 15.9007, 8.9484,
75.7531

Harmonies

Analogous

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



61.7794, 66.5671, 83.5320



63.8093, 66.5671, 84.3485



65.7353, 66.5671, 81.8506

Triad

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



63.8093, 66.5671, 84.3485



66.4624, 66.5671, 65.7308



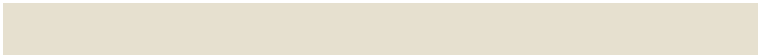
59.6629, 66.5671, 68.2618

Complementary

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



63.8093, 66.5671, 84.3485



70.5515, 74.6387, 69.7209

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.



60.8672, 66.5671, 63.8539



63.8093, 66.5671, 84.3485



64.7845, 66.5671, 62.4490

Square

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



63.8093, 66.5671, 84.3485



67.2887, 66.5671, 70.9511



62.7338, 66.5671, 61.7810



59.4147, 66.5671, 74.0312

Rectangle

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



63.8093, 66.5671, 84.3485



66.6910, 66.5671, 78.7179



62.7338, 66.5671, 61.7810



59.9681, 66.5671, 66.5811

Sweetspot

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



63.8113, 66.5699, 84.3500



90.5143, 95.0238, 108.1785



67.4665, 75.2347, 81.3932



19.1202, 20.0602, 23.1142



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.



63.8113, 66.5699, 84.3500



77.8802, 81.0625, 106.1496



63.8541, 64.3917, 83.9273



13.8872, 14.4957, 18.2104



9.0864, 5.2349, 42.9147



0.7455, 0.5349, 3.1959

Inverse Universe

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



66.9577, 66.2541, 72.2133



82.6238, 80.6348, 87.8417



70.4975, 77.0484, 70.1889



14.5306, 14.4294, 15.7287



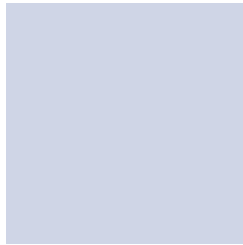
18.9799, 9.7262, 3.5231



1.4399, 0.7337, 0.4571

Previews

White Background



This preview shows how the XYZ color 63.8093, 66.5671, 84.3485 looks on a white background.

Color Contrast Check

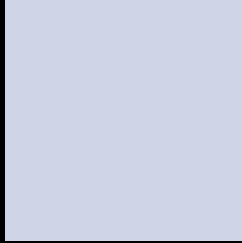
Large Text (above 18pt) WCAG AA × Fail

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 63.8093, 66.5671, 84.3485 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 63.8093, 66.5671, 84.3485

Background



This preview shows how black text looks on a background with the XYZ color 63.8093, 66.5671, 84.3485.

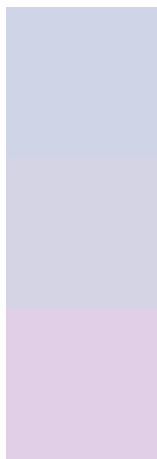


This preview shows how white text looks on a background with the XYZ color 63.8093, 66.5671,

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

63.8093, 66.5671, 84.3485

Protanopia

64.8377, 66.7412, 83.5938

Deuteranopia

67.7880, 66.4027, 84.8455



Tritanopia

63.8093, 66.5671, 84.3485

Trichromacy



Original Color

63.8093, 66.5671, 84.3485

Protanomaly

64.2647, 66.4457, 83.5669

Deuteranomaly

66.1377, 66.2759, 84.9080

Tritanomaly

63.8093, 66.5671, 84.3485

Monochromacy



Original Color

63.8093, 66.5671, 84.3485

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.4444, 66.5519, 76.5197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8093, 66.5671, 84.3485 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(207, 213, 230)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 213, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 213, 230) }
```

Border

The CSS property to change the border of an element to XYZ 63.8093, 66.5671, 84.3485 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(207, 213, 230) }
```


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

```
.border{ border-color:rgb(207, 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(207, 213, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 213, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 213, 230);  
box-shadow:4px 4px 4px 4px rgb(207, 213,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8093, 66.5671, 84.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 213, 230) }
```

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

```
.background{ background-color: rgb(207,  
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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