

# Converting Colors

XYZ(64.6051, 68.4335, 84.2996)

Have a look what the booklet for  
XYZ(64.6051, 68.4335, 84.2996)  
contains.

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# Color

**XYZ(64.8279, 68.6043,  
84.6881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFD9E6
RGB	207, 217, 230
RGB Percent	81%, 85%, 90%
CMY	0.1882, 0.1490, 0.0980
CMYK	0.10, 0.06, 0.00, 0.10
HSL	214°, 32%, 86%
HSV	214°, 10%, 90%
XYZ	64.8279, 68.6043, 84.6881
YIQ	215.4920, -10.1330, 1.9230

# Conversions

## Conversions Part 2

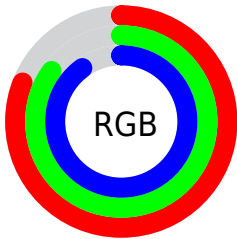
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 214, 230
Decimal	13621734
CIE Lab	86.31, -0.85, -7.54
CIE LCh	86, 7.585, 263.530
Yxy	68.6043, 0.2972, 0.3145
Android (android.graphics.Color)	4291811814 (0xFFCFD9E6)
YUV	215.4920, 7.1524, -7.4475
Hunter-Lab	82.8277, -5.2395, -2.6423

# Details

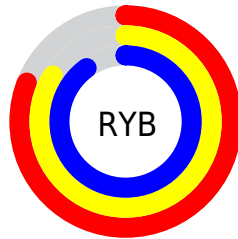
The XYZ color **64.8279, 68.6043, 84.6881** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.4891, 72.5139, 69.3668**, and the grayscale version is **64.8844, 68.2635, 74.3389**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.7951, 35.7081, 45.6686** is the 20% darker color. If you saturate the color by 10%, you get **55.6455, 59.0934, 83.3374**, and if you desaturate by 10%, it is **75.2142, 79.1312, 86.1736**.

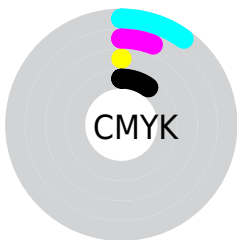
# Distribution



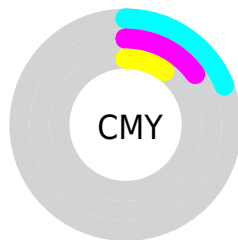
- Red (81%)
- Green (85%)
- Blue (90%)



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



- Cyan (10%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)



- Cyan (19%)
- Magenta (15%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8279, 68.6043, 84.6881 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 64.8279, 68.6043, 84.6881 by changing the saturation by 10% instead.



■ 64.8279, 68.6043,  
84.6881

■ 64.8279, 68.6043,  
84.6881

431.7283,  
455.6341, 530.7131

■ 47.5857, 50.3895,  
63.0350

110.8695,  
117.2162, 141.8076

■ 33.7088, 35.7230,  
45.4284

140.3996,  
148.3821, 178.1111

■ 22.8318, 24.2203,  
31.4496

174.7564,  
184.6339, 220.1352

■ 14.5894, 15.4971,  
20.6801

214.3053,  
226.3559, 268.2984

■ 8.6162, 9.1690,  
12.7014

259.4115,  
273.9325, 323.0193

■ 4.5468, 4.8516,  
7.0950

310.4405,

■ 2.0159, 2.1605,

327.7482, 384.7163

3.4422

367.7577,  
388.1872, 453.8081

■ 0.6429, 0.6983,  
1.3246

■ 0.0000, 0.0000,  
0.0818

■ 64.8279, 68.6043,  
84.6881

■ 64.8279, 68.6043,  
84.6881

■ 55.6455, 59.0934,  
83.3374

■ 75.2142, 79.1312,  
86.1736

■ 47.6147, 50.5570,  
82.1129

■ 86.8421, 90.6966,  
87.7931

■ 40.6879, 42.9632,  
81.0123

■ 91.2831, 98.4933,  
89.0640

■ 34.8119, 36.2748,  
80.0310

■ 29.9285, 30.4519,  
79.1644

■ 25.9736, 25.4507,  
78.4075

■ 22.8742, 21.2228,  
77.7548

■ 20.5450, 17.7125,  
77.2000

■ 18.8435, 14.8341,  
76.7341

# Harmonies

## Analogous

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



63.2267, 68.6043, 82.7185



64.8279, 68.6043, 84.6881



66.5588, 68.6043, 83.8862

# Triad

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



64.8279, 68.6043, 84.6881



68.3401, 68.6043, 70.9171



62.5378, 68.6043, 69.1158

# Complementary

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



64.8279, 68.6043, 84.6881



69.4891, 72.5139, 69.3668

# 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.



63.8723, 68.6043, 66.2072



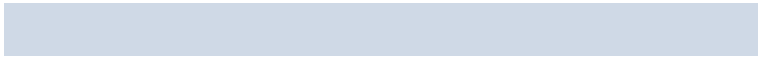
64.8279, 68.6043, 84.6881



67.2268, 68.6043, 67.2142

# Square

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



64.8279, 68.6043, 84.6881



68.6070, 68.6043, 75.7896



65.5862, 68.6043, 65.5269



61.9199, 68.6043, 73.6178



# Rectangle

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



64.8279, 68.6043, 84.6881



67.5512, 68.6043, 81.9049



65.5862, 68.6043, 65.5269



62.9163, 68.6043, 67.9276

# Sweetspot

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



64.8299, 68.6072, 84.6896



90.9277, 95.8507, 108.3164



66.9020, 75.0090, 78.4206



19.2316, 20.2829, 23.1513



0.0000, 0.0000, 0.0000

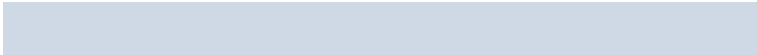


20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.8299, 68.6072, 84.6896



79.4044, 84.1109, 106.6577



62.6515, 63.7717, 83.8711



14.0959, 14.9132, 18.2799



10.7847, 8.6314, 43.4808



0.8879, 0.8198, 3.2434



# Inverse Universe

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



67.4719, 66.4598, 74.9209



83.3931, 80.9425, 91.8929



71.8257, 77.7331, 70.2510



14.6360, 14.4716, 16.2835



19.8371, 10.0691, 8.0371

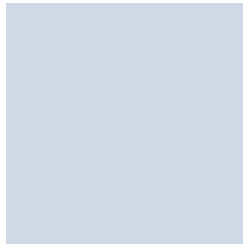


1.5118, 0.7624, 0.8357



# Previews

## White Background



This preview shows how the XYZ color 64.8279, 68.6043, 84.6881 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

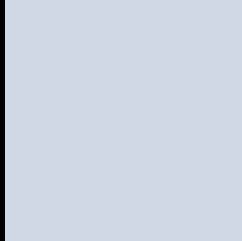
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.8279, 68.6043, 84.6881 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

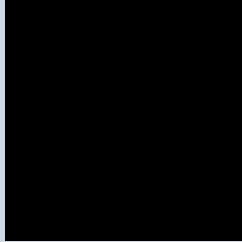
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

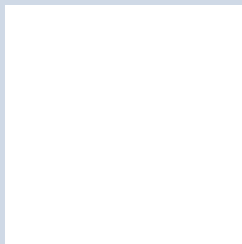
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 64.8279, 68.6043, 84.6881

## Background



This preview shows how black text looks on a background with the XYZ color 64.8279, 68.6043, 84.6881.



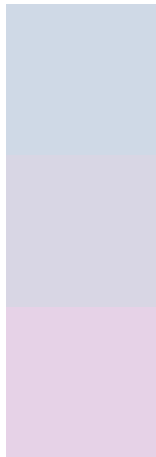
This preview shows how white text looks on a background with the XYZ color 64.8279, 68.6043,



# 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

64.8279, 68.6043, 84.6881

### Protanopia

66.3691, 68.2935, 83.0827

### Deuteranopia

70.1035, 68.6857, 85.1641



## Tritanopia

65.4196, 68.4621, 87.6084

# Trichromacy



## Original Color

64.8279, 68.6043, 84.6881

## Protanomaly

65.8839, 68.4042, 83.8596

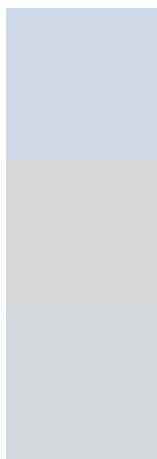
## Deuteranomaly

68.3423, 68.8876, 85.2959

## Tritanomaly

65.2763, 68.4048, 86.8538

# Monochromacy



## Original Color

64.8279, 68.6043, 84.6881

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

64.6255, 68.2761, 77.4826

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.8279, 68.6043, 84.6881 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, 217, 230)` looks like.

```
.text, #text, p{  
    color:rgb(207, 217, 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, 217, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 217, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 64.8279, 68.6043, 84.6881 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, 217, 230) }
```



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

```
.border{ border-color:rgb(207, 217, 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, 217, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 217, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 217, 230);  
box-shadow:4px 4px 4px 4px rgb(207, 217,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.8279, 68.6043, 84.6881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 217, 230) }
```

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

```
.background{ background-color: rgb(207,  
217, 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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