

# Converting Colors

XYZ(64.1135, 66.7611, 80.3128)

Have a look what the booklet for  
XYZ(64.1135, 66.7611, 80.3128)  
contains.

<b>XYZ(64.1128, 66.8192, 80.0393)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(64.1128, 66.8192,  
80.0393)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3D5E0
RGB	211, 213, 224
RGB Percent	83%, 84%, 88%
CMY	0.1725, 0.1647, 0.1216
CMYK	0.06, 0.05, 0.00, 0.12
HSL	231°, 17%, 85%
HSV	231°, 6%, 88%
XYZ	64.1128, 66.8192, 80.0393
YIQ	213.6560, -4.7230, 2.9970

# Conversions

## Conversions Part 2

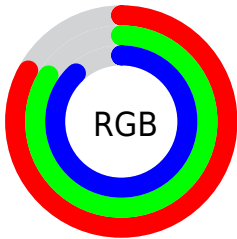
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	211, 213, 224
Decimal	13882848
CIE Lab	85.41, 1.38, -5.65
CIE LCh	85, 5.817, 283.718
Yxy	66.8192, 0.3039, 0.3167
Android (android.graphics.Color)	4292072928 (0xFFD3D5E0)
YUV	213.6560, 5.0996, -2.3293
Hunter-Lab	81.7430, -3.0489, -0.8342

# Details

The XYZ color **64.1128, 66.8192, 80.0393** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.6199, 72.7925, 72.0629**, and the grayscale version is **63.6561, 66.9712, 72.9316**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0986, 34.3862, 42.4288** is the 20% darker color. If you saturate the color by 10%, you get **53.6467, 54.7585, 78.2640**, and if you desaturate by 10%, it is **76.0340, 80.4603, 82.0450**.

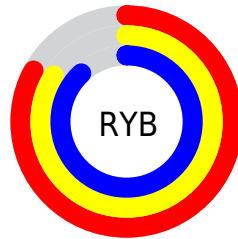
# Distribution



Red (83%)

Green (84%)

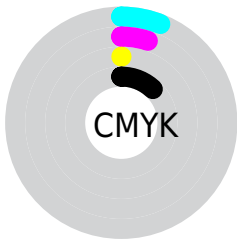
Blue (88%)



Red (83%)

Yellow (84%)

Blue (88%)

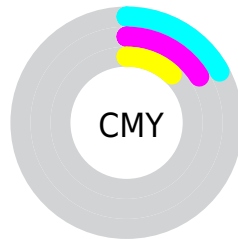


Cyan (6%)

Magenta (5%)

Yellow (0%)

Black (12%)



Cyan (17%)

Magenta (16%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1128, 66.8192, 80.0393 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 64.1128, 66.8192, 80.0393 by changing the saturation by 10% instead.



■ 64.1128, 66.8192,  
80.0393

■ 64.1128, 66.8192,  
80.0393

429.1926,  
449.3009, 514.7755

■ 47.0041, 48.9377,  
59.2243

109.8462,  
114.6613, 135.2329

■ 33.2468, 34.5701,  
42.3725

139.2016,  
145.3907, 170.4486

■ 22.4757, 23.3319,  
29.0654

173.3699,  
181.1715, 211.3016

■ 14.3254, 14.8388,  
18.8843

212.7164,  
222.3882, 258.2105

■ 8.4306, 8.7063,  
11.4107

257.6066,  
269.4251, 311.5938

■ 4.4258, 4.5501,  
6.2262

308.4058,

■ 1.9457, 1.9858,

322.6666, 371.8700

2.9121

365.4794,  
382.4970, 439.4578

■ 0.6032, 0.5992,  
1.0499

■ 0.0000, 0.0000,  
0.0000

■ 64.1128, 66.8192,  
80.0393

■ 64.1128, 66.8192,  
80.0393

■ 53.6467, 54.7585,  
78.2640

■ 76.0340, 80.4603,  
82.0450

■ 44.5739, 44.2126,  
76.7066

■ 89.1614, 95.5751,  
84.2706

■ 36.8369, 35.1237,  
75.3601

■ 90.4547, 98.1619,  
84.7017

■ 30.3719, 27.4271,  
74.2152

■ 25.1098, 21.0532,  
73.2623

■ 20.9748, 15.9263,  
72.4906

■ 17.8823, 11.9626,  
71.8885

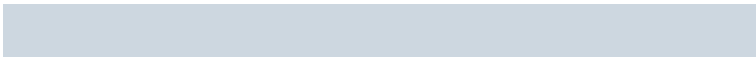
■ 15.7353, 9.0679,  
71.4430

■ 14.4171, 7.1318,  
71.1388

# Harmonies

## Analogous

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



62.8015, 66.8192, 79.9497



64.1128, 66.8192, 80.0393



65.2781, 66.8192, 78.1300

# Triad

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



64.1128, 66.8192, 80.0393



65.3598, 66.8192, 67.8509



61.1069, 66.8192, 70.7379

# Complementary

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



64.1128, 66.8192, 80.0393



68.6199, 72.7925, 72.0629

# 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.



61.7735, 66.8192, 67.6319



64.1128, 66.8192, 80.0393



64.2231, 66.8192, 66.0049

# Square

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



64.1128, 66.8192, 80.0393



66.0047, 66.8192, 71.0463



62.9103, 66.8192, 65.9262



61.0783, 66.8192, 74.4903



# Rectangle

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



64.1128, 66.8192, 80.0393



65.8102, 66.8192, 76.0175



62.9103, 66.8192, 65.9262



61.2633, 66.8192, 69.5867

# Sweetspot

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



64.1147, 66.8220, 80.0408



91.8376, 96.3238, 108.3597



66.6832, 72.4263, 79.4563



19.6907, 20.6558, 23.1991



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.



64.1147, 66.8220, 80.0408



84.1559, 87.5119, 107.0637



64.8723, 66.4692, 79.9327



13.5667, 14.0944, 17.3931



8.2260, 3.9216, 41.3717



0.6239, 0.3792, 2.8856

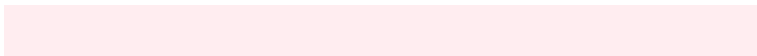


# Inverse Universe

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



66.0465, 67.2413, 72.4519



87.2810, 88.2006, 94.7848



67.8290, 73.1793, 72.1793



14.1098, 14.2149, 15.2590



18.0923, 9.3039, 1.8859

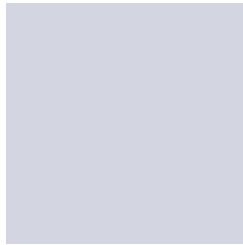


1.2812, 0.6557, 0.2734



# Previews

## White Background



This preview shows how the XYZ color 64.1128, 66.8192, 80.0393 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

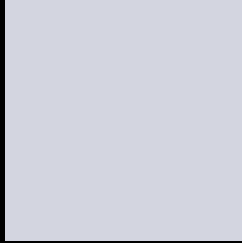
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.1128, 66.8192, 80.0393 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

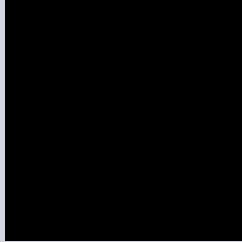
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

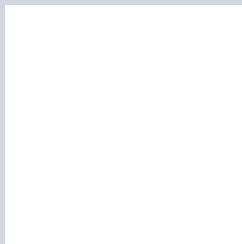
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.1128, 66.8192, 80.0393**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.1128, 66.8192, 80.0393.



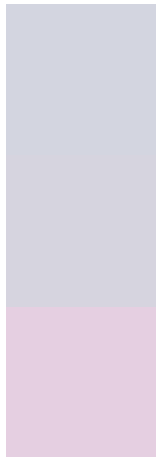
This preview shows how white text looks on a background with the XYZ color 64.1128, 66.8192,



# 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

64.1128, 66.8192, 80.0393

### Protanopia

64.5943, 66.7108, 79.2840

### Deuteranopia

68.2165, 66.7199, 80.5170



## Tritanopia

64.8377, 66.7412, 83.5938

# Trichromacy



## Original Color

64.1128, 66.8192, 80.0393

## Protanomaly

64.3033, 66.5608, 79.2704

## Deuteranomaly

66.5153, 66.5668, 80.5771

## Tritanomaly

64.5600, 66.6301, 82.1313

# Monochromacy



## Original Color

64.1128, 66.8192, 80.0393

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

64.1420, 67.3012, 75.9395

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.1128, 66.8192, 80.0393 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(211, 213, 224) looks like.

```
.text, #text, p{  
    color:rgb(211, 213, 224)  
}
```

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(211, 213, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 213, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 64.1128, 66.8192, 80.0393 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(211, 213, 224) }
```



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

```
.border{ border-color:rgb(211, 213, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 213, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 213, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 213, 224);  
box-shadow:4px 4px 4px 4px rgb(211, 213,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.1128, 66.8192, 80.0393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 213, 224) }
```

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

```
.background{ background-color: rgb(211,  
213, 224) }
```

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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