

# Converting Colors

XYZ(64.7609, 68.0734, 83.8681)

Have a look what the booklet for  
XYZ(64.7609, 68.0734, 83.8681)  
contains.

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# Color

**XYZ(64.7111, 68.1788,  
83.8779)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0D8E5
RGB	208, 216, 229
RGB Percent	82%, 85%, 90%
CMY	0.1843, 0.1529, 0.1020
CMYK	0.09, 0.06, 0.00, 0.10
HSL	217°, 29%, 86%
HSV	217°, 9%, 90%
XYZ	64.7111, 68.1788, 83.8779
YIQ	215.0900, -8.9410, 2.3470

# Conversions

## Conversions Part 2

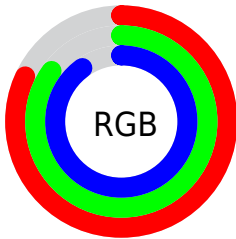
Format	Color
R <sub>Y</sub> B	208, 214, 229
Decimal	13687013
CIE Lab	86.10, -0.21, -7.31
CIE LCh	86, 7.317, 268.389
Yxy	68.1788, 0.2985, 0.3145
Android (android.graphics.Color)	4291877093 (0xFFD0D8E5)
YUV	215.0900, 6.8576, -6.2179
Hunter-Lab	82.5705, -4.6065, -2.4295

# Details

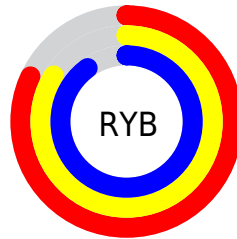
The XYZ color **64.7111, 68.1788, 83.8779** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.5548, 72.9242, 70.0854**, and the grayscale version is **64.6133, 67.9782, 74.0282**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.7113, 35.4158, 45.1035** is the 20% darker color. If you saturate the color by 10%, you get **55.2564, 58.1467, 82.4409**, and if you desaturate by 10%, it is **75.4126, 79.3223, 85.4658**.

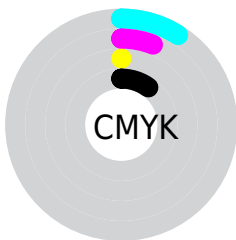
# Distribution



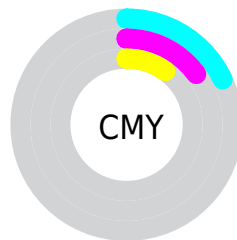
- Red (82%)
- Green (85%)
- Blue (90%)



- Red (82%)
- Yellow (84%)
- Blue (90%)



- Cyan (9%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)



- Cyan (18%)
- Magenta (15%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7111, 68.1788, 83.8779 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 64.7111, 68.1788, 83.8779 by changing the saturation by 10% instead.



■ 64.7111, 68.1788,  
83.8779

■ 64.7111, 68.1788,  
83.8779

431.3147,  
454.1293, 527.9551

■ 47.4907, 50.0432,  
62.3698

110.7024,  
116.6079, 140.6646

■ 33.6333, 35.4477,  
44.8939

140.2041,  
147.6702, 176.7802

■ 22.7736, 24.0080,  
31.0315

174.5301,  
183.8102, 218.6022

■ 14.5462, 15.3395,  
20.3642

214.0460,  
225.4122, 266.5490

■ 8.5857, 9.0580,  
12.4733

259.1171,  
272.8608, 321.0391

■ 4.5269, 4.7791,  
6.9405

310.1086,

■ 2.0043, 2.1182,

326.5402, 382.4912

3.3470

367.3860,  
386.8349, 451.3237

■ 0.6364, 0.6748,  
1.2744

■ 0.0000, 0.0000,  
0.0407

■ 64.7111, 68.1788,  
83.8779

■ 64.7111, 68.1788,  
83.8779

■ 55.2564, 58.1467,  
82.4409

■ 75.4126, 79.3223,  
85.4658

■ 46.9950, 49.1811,  
81.1458

■ 87.3997, 91.6029,  
87.2044

■ 39.8781, 41.2467,  
79.9894

■ 91.1431, 98.4372,  
88.3263

■ 33.8514, 34.3026,  
78.9667

■ 28.8554, 28.3050,  
78.0724

■ 24.8247, 23.2064,  
77.3007

■ 21.6857, 18.9539,  
76.6453

■ 19.3521, 15.4875,  
76.0992

■ 17.6939, 12.7235,  
75.6531

# Harmonies

## Analogous

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



63.1225, 68.1788, 82.4007



64.7111, 68.1788, 83.8779



66.3509, 68.1788, 82.6800

# Triad

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



64.7111, 68.1788, 83.8779



67.6871, 68.1788, 69.9203



62.0881, 68.1788, 69.4882

# Complementary

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



64.7111, 68.1788, 83.8779



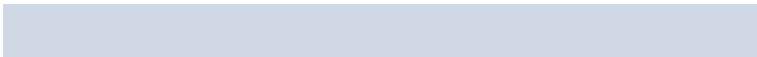
69.5548, 72.9242, 70.0854

# 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.



63.2773, 68.1788, 66.3858



64.7111, 68.1788, 83.8779



66.5108, 68.1788, 66.6276

# Square

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



64.7111, 68.1788, 83.8779



68.0868, 68.1788, 74.4956



64.8928, 68.1788, 65.3612



61.6244, 68.1788, 73.9752



# Rectangle

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



64.7111, 68.1788, 83.8779



67.2487, 68.1788, 80.5534



64.8928, 68.1788, 65.3612



62.4152, 68.1788, 68.2562

# Sweetspot

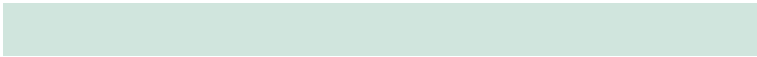
The Sweet Spot groups the original color and five complimentary colors.



64.7131, 68.1817, 83.8794



90.7995, 95.5942, 108.2736



67.0773, 74.6674, 79.2496



19.1970, 20.2138, 23.1398



0.0000, 0.0000, 0.0000

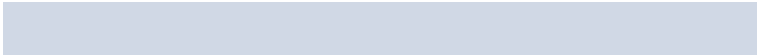


20.3446, 21.4041, 23.3091

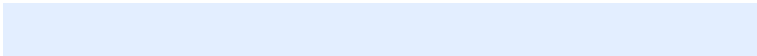


# Same Dimension

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



64.7131, 68.1817, 83.8794



80.1827, 84.4826, 106.6884



63.4064, 64.5378, 83.2449



14.0308, 14.7830, 18.2582



10.1551, 7.3723, 43.2709



0.8379, 0.7197, 3.2267



# Inverse Universe

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



67.2651, 66.7289, 74.3039



84.0752, 82.3227, 92.0708



70.9423, 76.8516, 70.7703



14.6031, 14.4584, 16.1105



19.5193, 9.9420, 6.3638

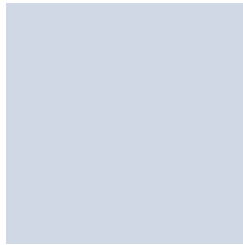


1.4866, 0.7523, 0.7027



# Previews

## White Background



This preview shows how the XYZ color 64.7111, 68.1788, 83.8779 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

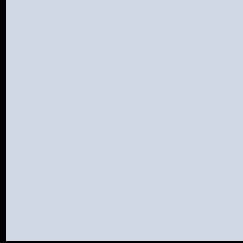
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.7111, 68.1788, 83.8779 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

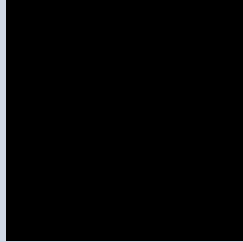
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

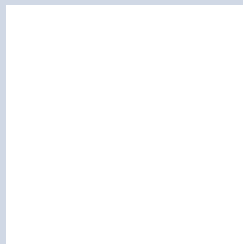
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.7111, 68.1788, 83.8779**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.7111, 68.1788, 83.8779.



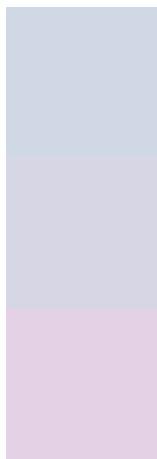
This preview shows how white text looks on a background with the XYZ color 64.7111, 68.1788,



# 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

64.7111, 68.1788, 83.8779

### Protanopia

66.0745, 68.1416, 83.0689

### Deuteranopia

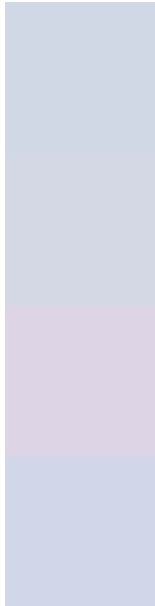
69.3965, 67.9721, 84.3253



## Tritanopia

65.3029, 68.0394, 86.7819

# Trichromacy



## Original Color

64.7111, 68.1788, 83.8779

## Protanomaly

65.4554, 68.1994, 83.1127

## Deuteranomaly

67.6452, 68.1723, 84.4562

## Tritanomaly

65.1604, 67.9824, 86.0315

# Monochromacy



## Original Color

64.7111, 68.1788, 83.8779

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

64.3701, 67.7652, 77.3975

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.7111, 68.1788, 83.8779 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(208, 216, 229) looks like.

```
.text, #text, p{  
    color:rgb(208, 216, 229)  
}
```

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(208, 216, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 216, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 64.7111, 68.1788, 83.8779 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(208, 216, 229) }
```



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

```
.border{ border-color:rgb(208, 216, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 216, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 216, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 216, 229);  
box-shadow:4px 4px 4px 4px rgb(208, 216,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.7111, 68.1788, 83.8779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 216, 229) }
```

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

```
.background{ background-color: rgb(208,  
216, 229) }
```

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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