

# Converting Colors

XYZ(68.0292, 74.3494, 85.2606)

Have a look what the booklet for  
XYZ(68.0292, 74.3494, 85.2606)  
contains.

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# **Color**

**XYZ(68.0465, 74.2067,  
85.5998)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1E3E6
RGB	209, 227, 230
RGB Percent	82%, 89%, 90%
CMY	0.1804, 0.1098, 0.0980
CMYK	0.09, 0.01, 0.00, 0.10
HSL	189°, 30%, 86%
HSV	189°, 9%, 90%
XYZ	68.0465, 74.2067, 85.5998
YIQ	221.9600, -11.6910, -2.8830

# Conversions

## Conversions Part 2

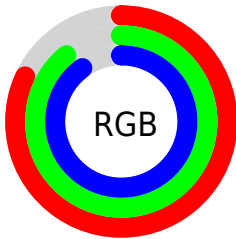
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 219, 230
Decimal	13755366
CIE Lab	89.02, -5.38, -3.52
CIE LCh	89, 6.428, 213.182
Yxy	74.2067, 0.2986, 0.3257
Android (android.graphics.Color)	4291945446 (0xFFD1E3E6)
YUV	221.9600, 3.9637, -11.3659
Hunter-Lab	86.1433, -9.7497, 1.3844

# Details

The XYZ color **68.0465, 74.2067, 85.5998** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.6855, 68.5128, 69.9796**, and the grayscale version is **69.3835, 72.9969, 79.4936**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8168, 39.4702, 46.2882** is the 20% darker color. If you saturate the color by 10%, you get **61.1146, 69.3153, 85.0222**, and if you desaturate by 10%, it is **75.9392, 79.6229, 86.2304**.

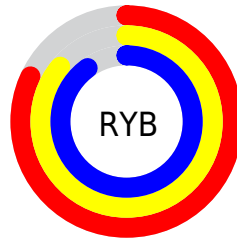
# Distribution



Red (82%)

Green (89%)

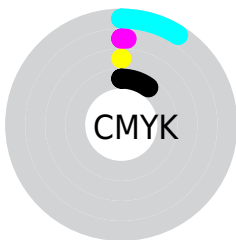
Blue (90%)



Red (82%)

Yellow (86%)

Blue (90%)

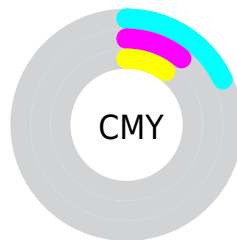


Cyan (9%)

Magenta (1%)

Yellow (0%)

Black (10%)



Cyan (18%)

Magenta (11%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0465, 74.2067, 85.5998 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 68.0465, 74.2067, 85.5998 by changing the saturation by 10% instead.



■ 68.0465, 74.2067,  
85.5998

■ 68.0465, 74.2067,  
85.5998

443.0349,  
475.1865, 533.8069

■ 50.2094, 54.9632,  
63.7841

115.4602,  
125.1888, 143.0925

■ 35.7983, 39.3723,  
46.0308

145.7675,  
157.6962, 179.6065

■ 24.4478, 27.0495,  
31.9213

180.9622,  
195.3937, 221.8571

■ 15.7927, 17.6104,  
21.0370

221.4098,  
238.6657, 270.2628

■ 9.4675, 10.6706,  
12.9596

267.4754,  
287.8965, 325.2421

■ 5.1069, 5.8458,  
7.2703

319.5246,

■ 2.3455, 2.7516,

343.4707, 387.2135

3.5507

377.9226,  
405.7725, 456.5956

■ 0.8178, 1.0034,  
1.3823

■ 0.0000, 0.0000,  
0.1278

■ 68.0465, 74.2067,  
85.5998

■ 68.0465, 74.2067,  
85.5998

■ 61.1146, 69.3153,  
85.0222

■ 75.9392, 79.6229,  
86.2304

■ 55.0969, 64.9184,  
84.4907

■ 84.8234, 85.5737,  
86.9108

■ 49.9526, 60.9969,  
84.0049

■ 85.7641, 87.4552,  
87.2243

■ 45.6351, 57.5266,  
83.5626

■ 86.7222, 89.3715,  
87.5437

42.0934, 54.4811,  
83.1614

87.6979, 91.3227,  
87.8689

39.2708, 51.8309,  
82.7986

88.6910, 93.3091,  
88.2000

37.1027, 49.5428,  
82.4713

89.7019, 95.3308,  
88.5369

35.5126, 47.5770,  
82.1756

90.7305, 97.3879,  
88.8798

34.3811, 45.8719,  
81.9062

91.2831, 98.4933,  
89.0640

# Harmonies

## Analogous

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



67.5738, 74.2067, 81.2771



68.0465, 74.2067, 85.5998



69.1844, 74.2067, 88.7233

# Triad

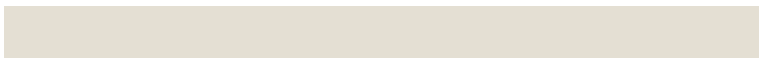
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.0465, 74.2067, 85.5998



73.2466, 74.2067, 84.7429



70.3646, 74.2067, 72.5082

# Complementary

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



68.0465, 74.2067, 85.5998



67.6855, 68.5128, 69.9796

# 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.



71.8954, 74.2067, 73.3602



68.0465, 74.2067, 85.5998



73.5738, 74.2067, 80.3218

# Square

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



68.0465, 74.2067, 85.5998



72.1884, 74.2067, 88.2159



73.0757, 74.2067, 76.1801



68.8997, 74.2067, 73.8090

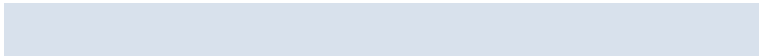


# Rectangle

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



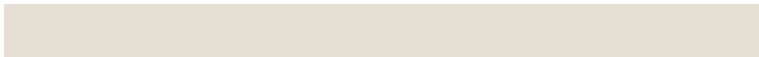
68.0465, 74.2067, 85.5998



70.1752, 74.2067, 89.6467



73.0757, 74.2067, 76.1801



70.8885, 74.2067, 72.5525

# Sweetspot

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



68.0486, 74.2098, 85.6014



91.9441, 97.8834, 108.6552



66.4509, 74.8935, 73.1099



19.5062, 20.8322, 23.2429



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

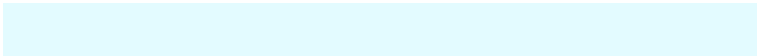


# Same Dimension

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



68.0486, 74.2098, 85.6014



84.2092, 92.5356, 108.0306



65.3142, 68.7409, 84.6900



14.6230, 15.9673, 18.4556



19.4824, 26.0269, 46.3800



1.4879, 2.0198, 3.4434



# Inverse Universe

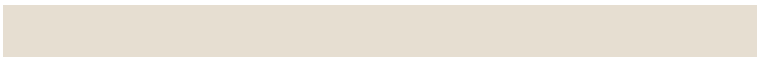
The Inverse Universe completely reimagines the original color for something new.



69.3004, 67.9714, 82.1440



86.1076, 83.1357, 102.7733



70.3439, 73.8297, 70.8658



14.9020, 14.5780, 17.6845



24.2273, 11.8251, 31.1557

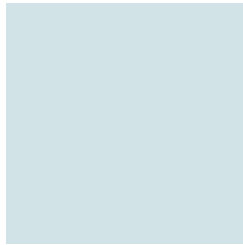


1.8147, 0.8836, 2.4306



# Previews

## White Background



This preview shows how the XYZ color 68.0465, 74.2067, 85.5998 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

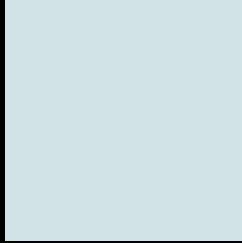
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.0465, 74.2067, 85.5998 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

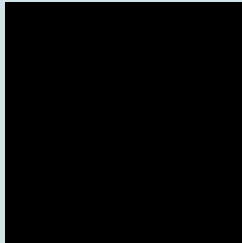
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

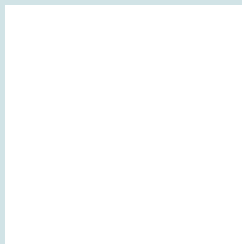
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.0465, 74.2067, 85.5998**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.0465, 74.2067, 85.5998.



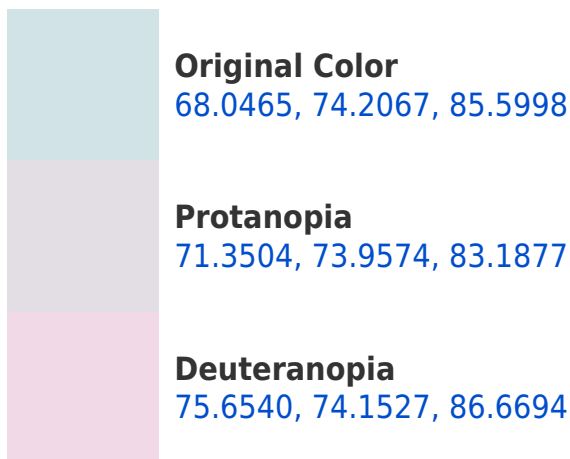
This preview shows how white text looks on a background with the XYZ color 68.0465, 74.2067,



# 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

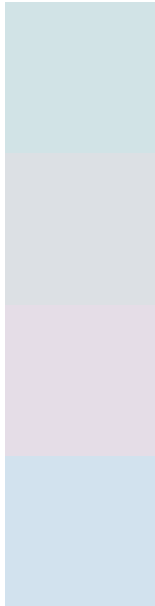




## Tritanopia

69.9668, 74.1704, 95.4227

# Trichromacy



## Original Color

68.0465, 74.2067, 85.5998

## Protanomaly

70.1744, 74.1284, 84.0084

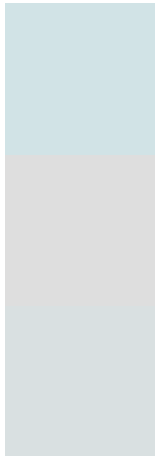
## Deuteranomaly

72.5934, 74.1404, 86.0858

## Tritanomaly

69.2073, 74.2674, 91.5763

# Monochromacy



## Original Color

68.0465, 74.2067, 85.5998

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

68.8615, 73.4993, 81.7915

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.0465, 74.2067, 85.5998 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(209, 227, 230)` looks like.

```
.text, #text, p{  
    color:rgb(209, 227, 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(209, 227, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 227, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 68.0465, 74.2067, 85.5998 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(209, 227, 230) }
```



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

```
.border{ border-color:rgb(209, 227, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 227, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 227, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 227, 230);  
box-shadow:4px 4px 4px 4px rgb(209, 227,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.0465, 74.2067, 85.5998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 227, 230) }
```

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

```
.background{ background-color: rgb(209,  
227, 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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