

# Converting Colors

XYZ(68.8630, 73.7269, 80.7399)

Have a look what the booklet for  
XYZ(68.8630, 73.7269, 80.7399)  
contains.

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# **Color**

**XYZ(68.8598, 73.9299,  
80.4526)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9E1DF
RGB	217, 225, 223
RGB Percent	85%, 88%, 87%
CMY	0.1490, 0.1176, 0.1255
CMYK	0.04, 0.00, 0.01, 0.12
HSL	165°, 12%, 87%
HSV	165°, 4%, 88%
XYZ	68.8598, 73.9299, 80.4526
YIQ	222.3800, -4.1260, -2.3180

# Conversions

## Conversions Part 2

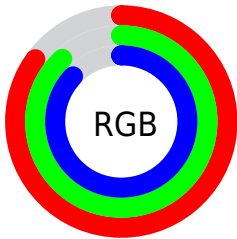
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 222, 225
Decimal	14279135
CIE Lab	88.89, -3.04, 0.03
CIE LCh	89, 3.041, 179.372
Yxy	73.9299, 0.3085, 0.3312
Android (android.graphics.Color)	4292469215 (0xFFD9E1DF)
YUV	222.3800, 0.3057, -4.7183
Hunter-Lab	85.9825, -7.5162, 4.7109

# Details

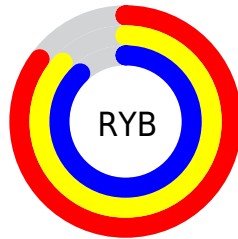
The XYZ color **68.8598, 73.9299, 80.4526** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.6532, 70.7497, 77.0592**, and the grayscale version is **69.7016, 73.3315, 79.8580**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3429, 39.2580, 42.7079** is the 20% darker color. If you saturate the color by 10%, you get **61.8760, 70.4180, 76.2280**, and if you desaturate by 10%, it is **76.7849, 77.9283, 84.8563**.

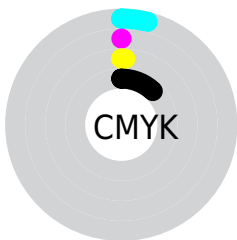
# Distribution



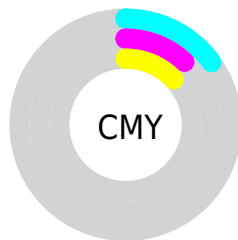
- Red (85%)
- Green (88%)
- Blue (87%)



- Red (85%)
- Yellow (87%)
- Blue (88%)



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)



- Cyan (15%)
- Magenta (12%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8598, 73.9299, 80.4526 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 68.8598, 73.9299, 80.4526 by changing the saturation by 10% instead.



■ 68.8598, 73.9299,  
80.4526

■ 68.8598, 73.9299,  
80.4526

445.8655,  
474.2314, 516.2038

■ 50.8738, 54.7367,  
59.5625

116.6165,  
124.7964, 135.8190

■ 36.3288, 39.1909,  
42.6431

147.1178,  
157.2385, 171.1324

■ 24.8595, 26.9083,  
29.2759

182.5216,  
194.8657, 212.0907

■ 16.1006, 17.5044,  
19.0422

223.1933,  
238.0623, 259.1124

■ 9.6867, 10.5947,  
11.5237

269.4982,  
287.2128, 312.6159

■ 5.2524, 5.7950,  
6.3017

321.8016,

■ 2.4324, 2.7208,

342.7015, 373.0200

2.9576

380.4689,  
404.9129, 440.7431

■ 0.8613, 0.9878,  
1.0730

■ 0.0000, 0.0000,  
0.0000

■ 68.8598, 73.9299,  
80.4526

■ 68.8598, 73.9299,  
80.4526

■ 61.8760, 70.4180,  
76.2280

■ 76.7849, 77.9283,  
84.8563

■ 55.7903, 67.3641,  
72.1745


■ 83.0564, 81.0692,  
89.3142


■ 50.5655, 64.7512,  
68.2907


■ 83.8801, 81.3987,  
93.6515


■ 46.1592, 62.5574,  
64.5733


■ 84.7298, 81.7385,  
98.1257


 42.5254, 60.7590,  
61.0188


 85.6056, 82.0889,  
102.7379

 39.6135, 59.3300,  
57.6235

 86.2166, 82.3333,  
105.9555

 37.3666, 58.2411,  
54.3834

 35.7190, 57.4584,  
51.2940

 34.5911, 56.9409,  
48.3502

# Harmonies

## Analogous

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



69.0551, 73.9299, 78.4459



68.8598, 73.9299, 80.4526



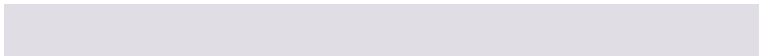
69.0397, 73.9299, 82.5054

# Triad

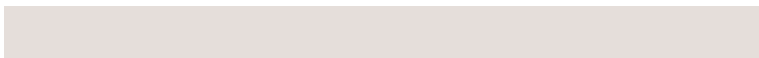
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8598, 73.9299, 80.4526



70.9659, 73.9299, 84.0881



70.9930, 73.9299, 77.0530

# Complementary

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



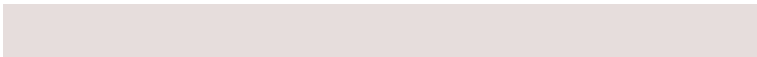
68.8598, 73.9299, 80.4526



68.6532, 70.7497, 77.0592

# 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.



71.5111, 73.9299, 78.5217



68.8598, 73.9299, 80.4526



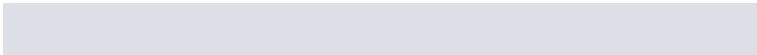
71.4954, 73.9299, 82.5837

# Square

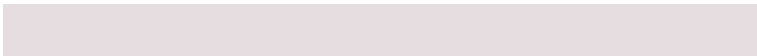
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.8598, 73.9299, 80.4526



70.2526, 73.9299, 84.6264



71.6956, 73.9299, 80.5416



70.2837, 73.9299, 76.5043



# Rectangle

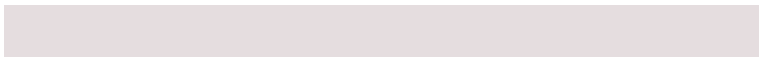
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



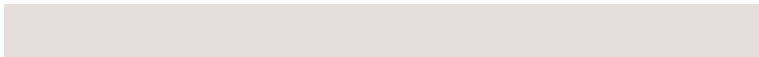
68.8598, 73.9299, 80.4526



69.3489, 73.9299, 83.6186



71.6956, 73.9299, 80.5416



71.1955, 73.9299, 77.4542

# Sweetspot

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



68.8619, 73.9331, 80.4542



94.0154, 99.4785, 108.3159



68.7056, 73.9443, 76.2983



20.1341, 21.2980, 23.1903



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

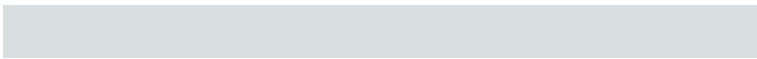
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8619, 73.9331, 80.4542



90.9880, 97.9531, 106.5780



68.6316, 73.0375, 81.7183



14.6885, 15.8762, 17.2702



19.6735, 32.6943, 27.0676

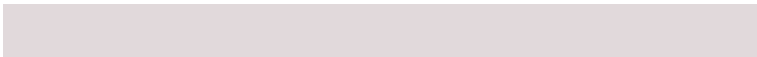


1.3988, 2.2802, 2.0612



# Inverse Universe

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



68.6532, 70.7497, 77.0592



90.6751, 93.1811, 101.4887



68.8750, 71.6130, 75.8394



14.6291, 14.9706, 16.3044



18.3488, 9.4065, 3.2364

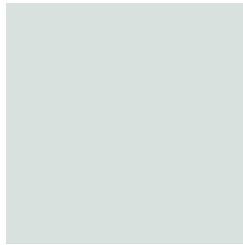


1.3074, 0.6662, 0.4117



# Previews

## White Background



This preview shows how the XYZ color 68.8598, 73.9299, 80.4526 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

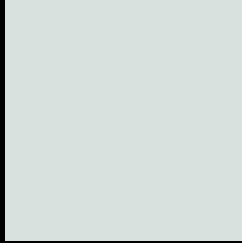
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.8598, 73.9299, 80.4526 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

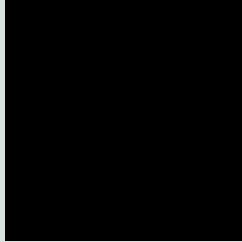
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

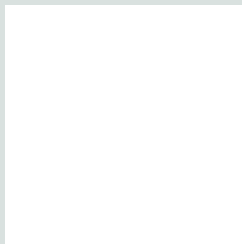
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 68.8598, 73.9299, 80.4526

## Background



This preview shows how black text looks on a background with the XYZ color 68.8598, 73.9299, 80.4526.



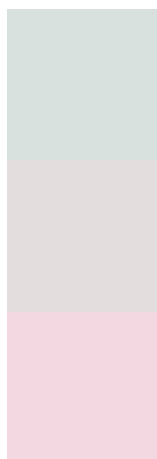
This preview shows how white text looks on a background with the XYZ color 68.8598, 73.9299,



# 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

68.8598, 73.9299, 80.4526

### Protanopia

70.8510, 73.7939, 78.9160

### Deuteranopia

75.4547, 73.7811, 81.4984



## Tritanopia

71.3647, 73.7495, 92.9118

# Trichromacy



## Original Color

68.8598, 73.9299, 80.4526

## Protanomaly

70.0039, 73.7373, 79.6504

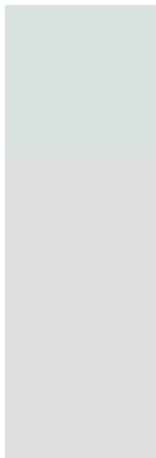
## Deuteranomaly

72.7177, 73.5373, 80.8825

## Tritanomaly

70.4524, 73.7759, 88.3688

# Monochromacy



## Original Color

68.8598, 73.9299, 80.4526

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

69.0877, 73.2649, 79.6075

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.8598, 73.9299, 80.4526 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(217, 225, 223) looks like.

```
.text, #text, p{  
    color:rgb(217, 225, 223)  
}
```

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(217, 225, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 225, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 68.8598, 73.9299, 80.4526 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(217, 225, 223) }
```



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

```
.border{ border-color:rgb(217, 225, 223) }
```

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

Here you see how a box with a 4 pixel rgb(217, 225, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 225, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 225, 223);  
box-shadow:4px 4px 4px 4px rgb(217, 225,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.8598, 73.9299, 80.4526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 225, 223) }
```

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

```
.background{ background-color: rgb(217,  
225, 223) }
```

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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