

# Converting Colors

XYZ(65.6199, 70.7213, 80.9978)

Have a look what the booklet for  
XYZ(65.6199, 70.7213, 80.9978)  
contains.

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# Color

**XYZ(65.6055, 70.6500,  
80.7000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1DDE0
RGB	209, 221, 224
RGB Percent	82%, 87%, 88%
CMY	0.1804, 0.1333, 0.1216
CMYK	0.07, 0.01, 0.00, 0.12
HSL	192°, 19%, 85%
HSV	192°, 7%, 88%
XYZ	65.6055, 70.6500, 80.7000
YIQ	217.7540, -8.1150, -1.6110

# Conversions

## Conversions Part 2

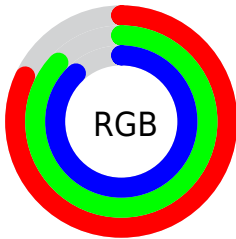
Format	Color
RYB	209, 216, 224
Decimal	13753824
CIELab	87.31, -3.44, -2.87
CIElCh	87, 4.480, 219.788
Yxy	70.6500, 0.3024, 0.3256
Android (android.graphics.Color)	4291943904 (0xFFD1DDE0)
YUV	217.7540, 3.0793, -7.6773
Hunter-Lab	84.0536, -7.7709, 1.9130

# Details

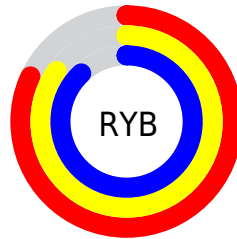
The XYZ color **65.6055, 70.6500, 80.7000** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.7929, 67.5373, 69.8912**, and the grayscale version is **66.4563, 69.9172, 76.1398**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.3152, 37.1056, 42.8896** is the 20% darker color. If you saturate the color by 10%, you get **58.5428, 65.2802, 80.0369**, and if you desaturate by 10%, it is **73.5948, 76.5481, 81.4185**.

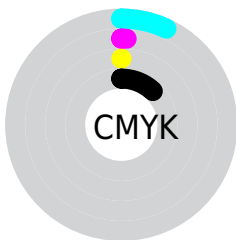
# Distribution



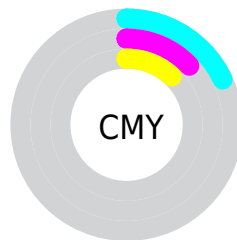
- Red (82%)
- Green (87%)
- Blue (88%)



- Red (82%)
- Yellow (85%)
- Blue (88%)



- Cyan (7%)
- Magenta (1%)
- Yellow (0%)
- Black (12%)



- Cyan (18%)
- Magenta (13%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6055, 70.6500, 80.7000 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 65.6055, 70.6500, 80.7000 by changing the saturation by 10% instead.



■ 65.6055, 70.6500,  
80.7000

■ 65.6055, 70.6500,  
80.7000

434.4756,  
462.8290, 517.0576

■ 48.2187, 52.0566,  
59.7650

111.9808,  
120.1352, 136.1697

■ 34.2121, 37.0502,  
42.8052

141.7001,  
151.7959, 171.5415

■ 23.2203, 25.2464,  
29.4020

176.2609,  
188.5811, 212.5627

■ 14.8778, 16.2607,  
19.1370

216.0286,  
230.8752, 259.6517

■ 8.8194, 9.7088,  
11.5915

261.3686,  
279.0627, 313.2272

■ 4.6798, 5.2063,  
6.3470

312.6462,

■ 2.0934, 2.3688,

333.5278, 373.7076

2.9850

370.2267,  
394.6552, 441.5116

■ 0.6856, 0.8098,  
1.0870

■ 0.0000, 0.0000,  
0.0000

■ 65.6055, 70.6500,  
80.7000

■ 65.6055, 70.6500,  
80.7000

■ 58.5428, 65.2802,  
80.0369

■ 73.5948, 76.5481,  
81.4185

■ 52.3634, 60.4103,  
79.4226

■ 82.5397, 82.9840,  
82.1893

■ 47.0296, 56.0223,  
78.8567

■ 84.2401, 85.7326,  
82.6302

■ 42.4984, 52.0938,  
78.3373

■ 85.5334, 88.3192,  
83.0613

■ 38.7230, 48.6001,  
77.8619

■ 86.8591, 90.9707,  
83.5032

■ 35.6516, 45.5143,  
77.4282

■ 88.2175, 93.6875,  
83.9560

■ 33.2255, 42.8057,  
77.0332

■ 89.6088, 96.4701,  
84.4198

■ 31.3762, 40.4387,  
76.6738

■ 90.4547, 98.1619,  
84.7017

■ 30.0164, 38.3677,  
76.3457

# Harmonies

## Analogous

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



65.1734, 70.6500, 77.9167



65.6055, 70.6500, 80.7000



66.4530, 70.6500, 82.5017

# Triad

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



65.6055, 70.6500, 80.7000



69.0704, 70.6500, 78.9485



66.8068, 70.6500, 71.3471

# Complementary

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



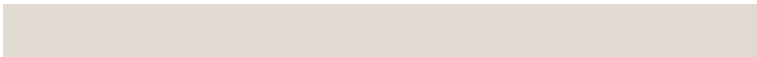
65.6055, 70.6500, 80.7000



65.7929, 67.5373, 69.8912

# 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.



67.8533, 70.6500, 71.6070



65.6055, 70.6500, 80.7000



69.1676, 70.6500, 75.9434

# Square

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



65.6055, 70.6500, 80.7000



68.4559, 70.6500, 81.4723



68.7200, 70.6500, 73.2712



65.8622, 70.6500, 72.5517

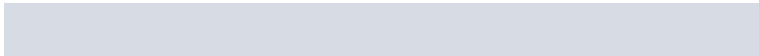


# Rectangle

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



65.6055, 70.6500, 80.7000



67.1432, 70.6500, 82.8767



68.7200, 70.6500, 73.2712



67.1582, 70.6500, 71.2669

# Sweetspot

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



65.6075, 70.6530, 80.7016



92.8743, 98.3972, 108.7053



64.8035, 71.6086, 72.5297



19.9017, 21.0779, 23.2695



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

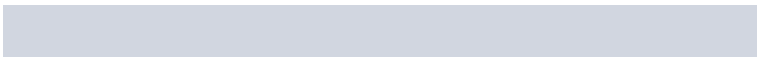
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.6075, 70.6530, 80.7016



86.6526, 93.7614, 108.1384



63.7336, 66.9051, 80.0769



13.8718, 15.0828, 17.5678



17.3269, 22.1233, 44.4054



1.2609, 1.6532, 3.0979



# Inverse Universe

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



66.5937, 66.6701, 77.7688



88.2346, 87.4081, 103.4255



67.6470, 71.2455, 70.5092



14.1715, 13.8862, 16.6734



22.6860, 11.1414, 26.0760

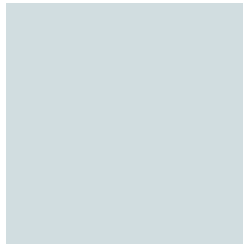


1.6027, 0.7843, 1.9665



# Previews

## White Background



This preview shows how the XYZ color 65.6055, 70.6500, 80.7000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

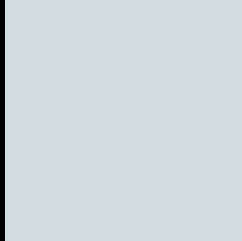
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.6055, 70.6500, 80.7000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

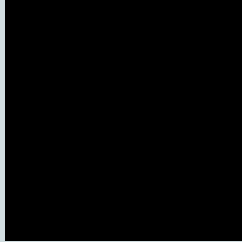
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

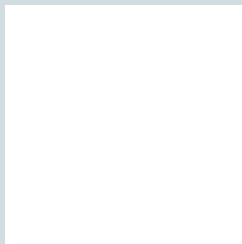
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.6055, 70.6500, 80.7000

## Background



This preview shows how black text looks on a background with the XYZ color 65.6055, 70.6500, 80.7000.



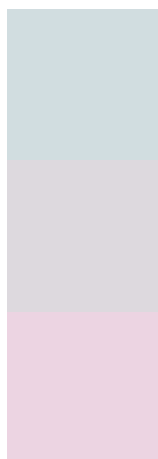
This preview shows how white text looks on a background with the XYZ color 65.6055, 70.6500, 80.7000.



# 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

65.6055, 70.6500, 80.7000

### Protanopia

67.8165, 70.2718, 79.0967

### Deuteranopia

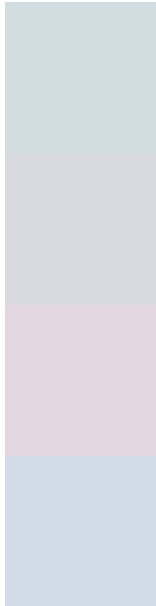
71.8630, 70.4108, 81.7546



## Tritanopia

67.3358, 70.5680, 89.4289

# Trichromacy



## Original Color

65.6055, 70.6500, 80.7000

## Protanomaly

67.0060, 70.2222, 79.8347

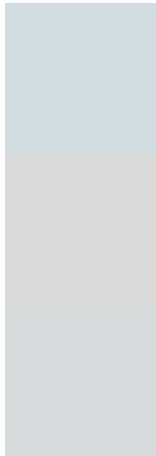
## Deuteranomaly

69.2551, 70.2059, 81.1351

## Tritanomaly

66.7370, 70.7142, 86.4757

# Monochromacy



## Original Color

65.6055, 70.6500, 80.7000

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

66.2741, 70.2774, 77.7820

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.6055, 70.6500, 80.7000 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, 221, 224) looks like.

```
.text, #text, p{  
    color:rgb(209, 221, 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(209, 221, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 221, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 65.6055, 70.6500, 80.7000 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, 221, 224) }
```



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

```
.border{ border-color:rgb(209, 221, 224) }
```

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

Here you see how a box with a 4 pixel rgb(209, 221, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 221, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 221, 224);  
box-shadow:4px 4px 4px 4px rgb(209, 221,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.6055, 70.6500, 80.7000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 221, 224) }
```

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

```
.background{ background-color: rgb(209,  
221, 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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