

# Converting Colors

XYZ(67.9281, 65.0974, 80.9429)

Have a look what the booklet for  
XYZ(67.9281, 65.0974, 80.9429)  
contains.

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# Color

**XYZ(68.0384, 65.1918,  
80.9488)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7CBE2
RGB	231, 203, 226
RGB Percent	91%, 80%, 89%
CMY	0.0941, 0.2039, 0.1137
CMYK	0.00, 0.12, 0.02, 0.09
HSL	311°, 37%, 85%
HSV	311°, 12%, 91%
XYZ	68.0384, 65.1918, 80.9488
YIQ	213.9940, 9.3050, 13.0890

# Conversions

## Conversions Part 2

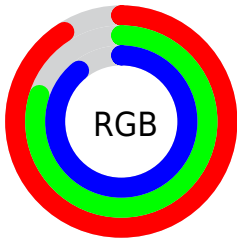
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 203, 226
Decimal	15191010
CIE Lab	84.58, 13.73, -7.76
CIE LCh	85, 15.773, 330.516
Yxy	65.1918, 0.3177, 0.3044
Android (android.graphics.Color)	4293381090 (0xFFE7CBE2)
YUV	213.9940, 5.9190, 14.9143
Hunter-Lab	80.7414, 9.1191, -2.9233

# Details

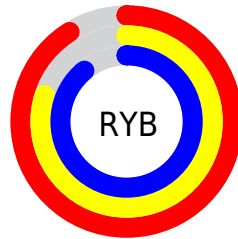
The XYZ color **68.0384, 65.1918, 80.9488** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **64.5922, 74.4042, 70.6351**, and the grayscale version is **63.8712, 67.1974, 73.1780**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7773, 33.5491, 43.1180** is the 20% darker color. If you saturate the color by 10%, you get **62.4257, 54.8607, 76.3190**, and if you desaturate by 10%, it is **74.4813, 77.1596, 85.9241**.

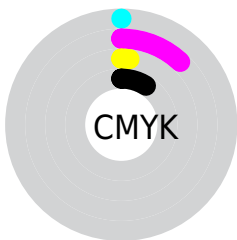
# Distribution



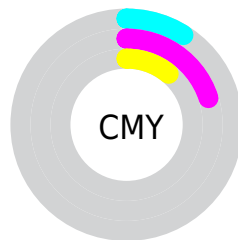
- Red (91%)
- Green (80%)
- Blue (89%)



- Red (91%)
- Yellow (80%)
- Blue (89%)



- Cyan (0%)
- Magenta (12%)
- Yellow (2%)
- Black (9%)



- Cyan (9%)
- Magenta (20%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0384, 65.1918, 80.9488 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 68.0384, 65.1918, 80.9488 by changing the saturation by 10% instead.



68.0384, 65.1918,  
80.9488

68.0384, 65.1918,  
80.9488

443.0066,  
443.4809, 517.9155

50.2028, 47.6166,  
59.9687

115.4487,  
112.3256, 136.5223

35.7930, 33.5234,  
42.9683

145.7540,  
142.6529, 171.9528

24.4437, 22.5277,  
29.5290

180.9467,  
177.9998, 213.0371

15.7896, 14.2452,  
19.2323

221.3920,  
218.7506, 260.1938

9.4653, 8.2914,  
11.6598

267.4553,  
265.2897, 313.8414

5.1054, 4.2819,  
6.3927

319.5019,

2.3447, 1.8325,

318.0016, 374.3986

3.0127

377.8972,  
377.2705, 442.2838

■ 0.8174, 0.5073,  
1.1011

■ 0.0000, 0.0000,  
0.0000

■ 68.0384, 65.1918,  
80.9488

■ 68.0384, 65.1918,  
80.9488

■ 62.4257, 54.8607,  
76.3190

■ 74.4813, 77.1596,  
85.9241

■ 57.6017, 46.0861,  
72.0179

■ 81.7823, 90.8228,  
91.2525

■ 53.5295, 38.7938,  
68.0339

■ 84.2037, 94.7045,  
95.0223

■ 50.1674, 32.9002,  
64.3522

■ 84.8182, 94.9503,  
98.2585

47.4692, 28.3134,  
60.9573

85.4468, 95.2017,  
101.5684

45.3835, 24.9305,  
57.8313

86.0894, 95.4587,  
104.9524

43.8510, 22.6330,  
54.9541

86.7462, 95.7215,  
108.4111

42.8003, 21.2785,  
52.3014

86.7654, 95.7291,  
108.5123

42.2219, 20.6957,  
50.3387

# Harmonies

## Analogous

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



65.4608, 65.1918, 89.0103



68.0384, 65.1918, 80.9488



68.9746, 65.1918, 70.8085

# Triad

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



68.0384, 65.1918, 80.9488



61.9020, 65.1918, 53.3230



56.3173, 65.1918, 81.2790

# Complementary

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



68.0384, 65.1918, 80.9488



64.5922, 74.4042, 70.6351

# 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.



55.4432, 65.1918, 71.1574



68.0384, 65.1918, 80.9488



58.5918, 65.1918, 55.5702

# Square

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



68.0384, 65.1918, 80.9488



65.3514, 65.1918, 55.4222



56.2602, 65.1918, 61.8703



58.6935, 65.1918, 89.2133



# Rectangle

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



68.0384, 65.1918, 80.9488



68.5152, 65.1918, 64.4087



56.2602, 65.1918, 61.8703



55.8422, 65.1918, 77.9896

# Sweetspot

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



68.0403, 65.1946, 80.9502



91.5900, 93.5471, 106.3066



61.7013, 61.8463, 84.2878



19.4689, 19.7714, 22.6513



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.



68.0403, 65.1946, 80.9502



82.9579, 77.5447, 99.5395



66.2389, 64.4741, 71.4643



14.8788, 14.5687, 17.5624



23.7118, 11.6189, 28.4408



1.7812, 0.8702, 2.2544



# Inverse Universe

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



68.0403, 65.1946, 80.9502



82.9579, 77.5447, 99.5395



66.3469, 75.1061, 79.8752



14.8788, 14.5687, 17.5624



23.7118, 11.6189, 28.4408

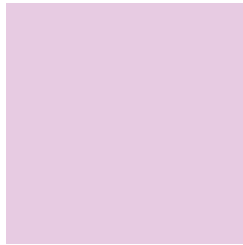


1.7812, 0.8702, 2.2544



# Previews

## White Background



This preview shows how the XYZ color 68.0384, 65.1918, 80.9488 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

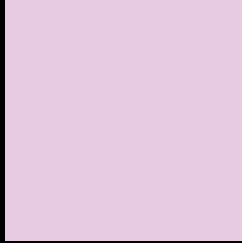
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.0384, 65.1918, 80.9488 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 68.0384, 65.1918, 80.9488**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.0384, 65.1918, 80.9488.



This preview shows how white text looks on a background with the XYZ color 68.0384, 65.1918,



# 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

68.0384, 65.1918, 80.9488

### Protanopia

63.6240, 65.3617, 84.1256

### Deuteranopia

66.6101, 65.1612, 81.0181



## Tritanopia

67.1443, 65.1760, 76.7515

# Trichromacy



## Original Color

68.0384, 65.1918, 80.9488

## Protanomaly

65.0710, 65.0345, 83.2520

## Deuteranomaly

66.9989, 65.0076, 80.9680

## Tritanomaly

67.4108, 65.2827, 78.1551

# Monochromacy



## Original Color

68.0384, 65.1918, 80.9488

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

65.2167, 66.3708, 75.7032

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.0384, 65.1918, 80.9488 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(231, 203, 226)` looks like.

```
.text, #text, p{  
    color:rgb(231, 203, 226)  
}
```

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(231, 203, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 203, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 68.0384, 65.1918, 80.9488 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(231, 203, 226) }
```



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

```
.border{ border-color:rgb(231, 203, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 203, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 203, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 203, 226);  
box-shadow:4px 4px 4px 4px rgb(231, 203,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.0384, 65.1918, 80.9488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 203, 226) }
```

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

```
.background{ background-color: rgb(231,  
203, 226) }
```

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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