

# Converting Colors

XYZ(67.9491, 66.5695, 81.2800)

Have a look what the booklet for  
XYZ(67.9491, 66.5695, 81.2800)  
contains.

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# Color

**XYZ(68.0352, 66.6106,  
81.2228)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E4CFE2
RGB	228, 207, 226
RGB Percent	89%, 81%, 89%
CMY	0.1059, 0.1882, 0.1137
CMYK	0.00, 0.09, 0.01, 0.11
HSL	306°, 28%, 85%
HSV	306°, 9%, 89%
XYZ	68.0352, 66.6106, 81.2228
YIQ	215.4450, 6.4170, 10.3610

# Conversions

## Conversions Part 2

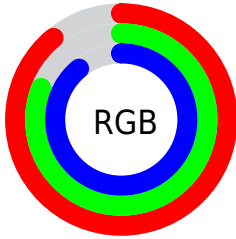
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 207, 226
Decimal	14995426
CIE <sub>Lab</sub>	85.31, 10.60, -6.72
CIE <sub>LCh</sub>	85, 12.551, 327.635
Yxy	66.6106, 0.3152, 0.3086
Android (android.graphics.Color)	4293185506 (0xFFE4CFE2)
YUV	215.4450, 5.2036, 11.0107
Hunter-Lab	81.6153, 5.9723, -1.8741

# Details

The XYZ color **68.0352, 66.6106, 81.2228** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.9867, 73.3575, 71.0593**, and the grayscale version is **64.8573, 68.2349, 74.3079**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9755, 34.6070, 43.3118** is the 20% darker color. If you saturate the color by 10%, you get **62.6099, 56.2331, 77.9539**, and if you desaturate by 10%, it is **74.2657, 78.5907, 84.7803**.

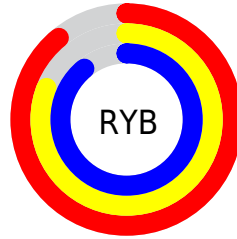
# Distribution



Red (89%)

Green (81%)

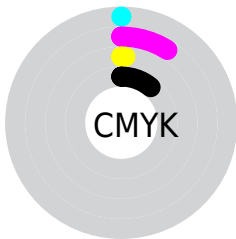
Blue (89%)



Red (89%)

Yellow (81%)

Blue (89%)

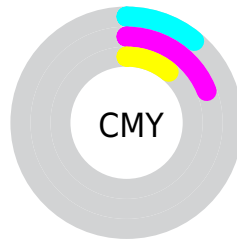


Cyan (0%)

Magenta (9%)

Yellow (1%)

Black (11%)



Cyan (11%)

Magenta (19%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0352, 66.6106, 81.2228 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 68.0352, 66.6106, 81.2228 by changing the saturation by 10% instead.



68.0352, 66.6106,  
81.2228

68.0352, 66.6106,  
81.2228

442.9955,  
448.5574, 518.8593

50.2002, 48.7682,  
60.1930

115.4441,  
114.3623, 136.9104

35.7909, 34.4357,  
43.1479

145.7487,  
145.0404, 172.4054

24.4421, 23.2285,  
29.6689

180.9405,  
180.7658, 213.5592

15.7884, 14.7623,  
19.3375

221.3849,  
221.9230, 260.7903

9.4644, 8.6527,  
11.7351

267.4473,  
268.8964, 314.5174

5.1049, 4.5154,  
6.4433

319.4929,

2.3443, 1.9658,

322.0703, 375.1589

3.0433

377.8872,  
381.8292, 443.1333

■ 0.8172, 0.5875,  
1.1168

■ 0.0000, 0.0000,  
0.0000

■ 68.0352, 66.6106,  
81.2228

■ 68.0352, 66.6106,  
81.2228

■ 62.6099, 56.2331,  
77.9539

■ 74.2657, 78.5907,  
84.7803

■ 57.9501, 47.3813,  
74.9580

■ 81.3277, 92.2286,  
88.6329

■ 54.0211, 39.9853,  
72.2242

■ 82.3945, 93.8699,  
90.5058

■ 50.7835, 33.9661,  
69.7392

■ 82.7059, 93.9944,  
92.1457

48.1941, 29.2373,  
67.4887

83.0212, 94.1205,  
93.8058

46.2047, 25.7027,  
65.4565

83.3403, 94.2482,  
95.4862

44.7606, 23.2527,  
63.6242

83.6632, 94.3774,  
97.1869

43.7969, 21.7576,  
61.9702

83.9901, 94.5081,  
98.9080

43.2108, 21.0117,  
60.4602

84.3208, 94.6404,  
100.6495

# Harmonies

## Analogous

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



65.8774, 66.6106, 87.2787



68.0352, 66.6106, 81.2228



68.9239, 66.6106, 73.1747

# Triad

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



68.0352, 66.6106, 81.2228



63.5369, 66.6106, 58.0014



58.5972, 66.6106, 80.0237

# Complementary

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



68.0352, 66.6106, 81.2228



64.9867, 73.3575, 71.0593

# 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.



58.0122, 66.6106, 71.8844



68.0352, 66.6106, 81.2228



60.8129, 66.6106, 59.5400

# Square

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



68.0352, 66.6106, 81.2228



66.2788, 66.6106, 60.1074



58.8114, 66.6106, 64.4763



60.4338, 66.6106, 86.5508



# Rectangle

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



68.0352, 66.6106, 81.2228



68.6576, 66.6106, 67.8936



58.8114, 66.6106, 64.4763



58.2501, 66.6106, 77.3679

# Sweetspot

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



68.0371, 66.6135, 81.2242



92.5408, 95.1690, 107.4859



62.5431, 63.7493, 82.4083



19.6675, 20.1007, 22.9267



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.



68.0371, 66.6135, 81.2242



86.3181, 83.2199, 103.8818



66.6723, 66.0676, 74.0372



14.9328, 14.5903, 17.8466



24.9519, 12.1150, 34.9713



1.8612, 0.9022, 2.6755



# Inverse Universe

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



68.0371, 66.6135, 81.2242



86.3181, 83.2199, 103.8818



66.2969, 73.8816, 77.9590



14.9328, 14.5903, 17.8466



24.9519, 12.1150, 34.9713

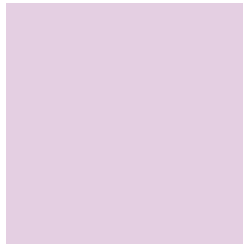


1.8612, 0.9022, 2.6755



# Previews

## White Background



This preview shows how the XYZ color 68.0352, 66.6106, 81.2228 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

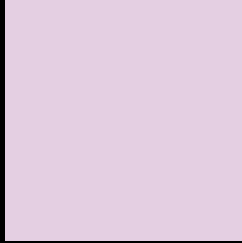
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.0352, 66.6106, 81.2228 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

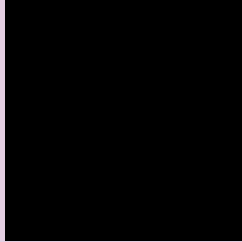
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 68.0352, 66.6106, 81.2228

## Background



This preview shows how black text looks on a background with the XYZ color 68.0352, 66.6106, 81.2228.



This preview shows how white text looks on a background with the XYZ color 68.0352, 66.6106,

81.2228.

# 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

68.0352, 66.6106, 81.2228

### Protanopia

64.8377, 66.7412, 83.5938

### Deuteranopia

68.0352, 66.6106, 81.2228



## Tritanopia

67.7623, 66.5014, 79.7856

# Trichromacy



## Original Color

68.0352, 66.6106, 81.2228

## Protanomaly

65.9636, 66.6000, 82.7772

## Deuteranomaly

68.0352, 66.6106, 81.2228

## Tritanomaly

67.8983, 66.5559, 80.5021

# Monochromacy



## Original Color

68.0352, 66.6106, 81.2228

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

65.8449, 67.4171, 76.5602

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.0352, 66.6106, 81.2228 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(228, 207, 226)` looks like.

```
.text, #text, p{  
    color:rgb(228, 207, 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(228, 207, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 207, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 68.0352, 66.6106, 81.2228 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(228, 207, 226) }
```



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

```
.border{ border-color:rgb(228, 207, 226) }
```

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

Here you see how a box with a 4 pixel rgb(228, 207, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 207, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 207, 226);  
box-shadow:4px 4px 4px 4px rgb(228, 207,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.0352, 66.6106, 81.2228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 207, 226) }
```

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

```
.background{ background-color: rgb(228,  
207, 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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