

# Converting Colors

XYZ(67.3277, 66.2667, 80.7755)

Have a look what the booklet for  
XYZ(67.3277, 66.2667, 80.7755)  
contains.

<b>XYZ(67.2675, 66.2306, 80.4726)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(67.2675, 66.2306,  
80.4726)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2CFE1
RGB	226, 207, 225
RGB Percent	89%, 81%, 88%
CMY	0.1137, 0.1882, 0.1176
CMYK	0.00, 0.08, 0.00, 0.11
HSL	303°, 25%, 85%
HSV	303°, 8%, 89%
XYZ	67.2675, 66.2306, 80.4726
YIQ	214.7330, 5.5460, 9.6260

# Conversions

## Conversions Part 2

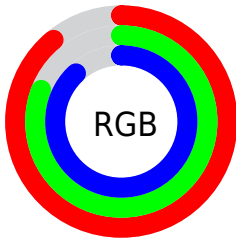
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 207, 225
Decimal	14864353
CIE Lab	85.11, 9.74, -6.49
CIE LCh	85, 11.708, 326.331
Yxy	66.2306, 0.3144, 0.3095
Android (android.graphics.Color)	4293054433 (0xFFE2CFE1)
YUV	214.7330, 5.0616, 9.8812
Hunter-Lab	81.3822, 5.1227, -1.6598

# Details

The XYZ color **67.2675, 66.2306, 80.4726** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.3162, 72.2141, 70.2269**, and the grayscale version is **64.3766, 67.7292, 73.7571**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4415, 34.3427, 42.7910** is the 20% darker color. If you saturate the color by 10%, you get **62.0183, 55.9901, 77.9254**, and if you desaturate by 10%, it is **73.3054, 78.0447, 83.2898**.

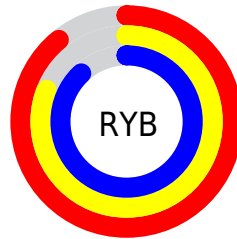
# Distribution



Red (89%)

Green (81%)

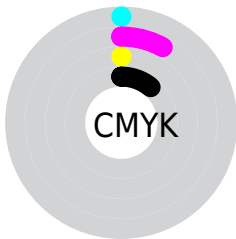
Blue (88%)



Red (89%)

Yellow (81%)

Blue (88%)

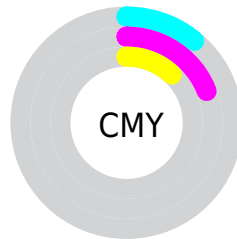


Cyan (0%)

Magenta (8%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (19%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2675, 66.2306, 80.4726 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 67.2675, 66.2306, 80.4726 by changing the saturation by 10% instead.



67.2675, 66.2306,  
80.4726

67.2675, 66.2306,  
80.4726

440.3139,  
447.2011, 516.2728

49.5735, 48.4596,  
59.5789

114.3513,  
113.8172, 135.8474

35.2911, 34.1910,  
42.6562

144.4719,  
144.4017, 171.1655

24.0547, 23.0404,  
29.2861

179.4653,  
180.0261, 212.1289

15.4992, 14.6233,  
19.0499

219.6971,  
221.0748, 259.1560

9.2591, 8.5555,  
11.5292

265.5325,  
267.9323, 312.6654

4.9690, 4.4524,  
6.3053

317.3368,

2.2637, 1.9297,

320.9829, 373.0756

2.9598

375.4755,  
380.6111, 440.8053

■ 0.7760, 0.5661,  
1.0742

■ 0.0000, 0.0000,  
0.0000

■ 67.2675, 66.2306,  
80.4726

■ 67.2675, 66.2306,  
80.4726

■ 62.0183, 55.9901,  
77.9254

■ 73.3054, 78.0447,  
83.2898

■ 57.5188, 47.2483,  
75.6329

■ 80.1574, 91.4861,  
86.3832

■ 53.7355, 39.9370,  
73.5848

■ 81.2076, 93.3223,  
87.5483

■ 50.6301, 33.9797,  
71.7681

■ 81.3740, 93.3888,  
88.4244

48.1606, 29.2924,  
70.1689

81.5415, 93.4558,  
89.3065

46.2803, 25.7818,  
68.7716

81.7102, 93.5233,  
90.1946

44.9363, 23.3419,  
67.5587

81.8800, 93.5912,  
91.0888

44.0662, 21.8479,  
66.5092

82.0509, 93.6596,  
91.9890

43.5785, 21.1172,  
65.5926

82.2230, 93.7284,  
92.8952

# Harmonies

## Analogous

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



65.2273, 66.2306, 85.9354



67.2675, 66.2306, 80.4726



68.1500, 66.2306, 73.0478

# Triad

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



67.2675, 66.2306, 80.4726



63.2754, 66.2306, 58.5644



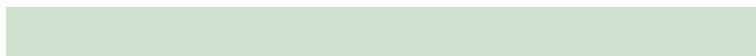
58.5119, 66.2306, 78.7522

# Complementary

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



67.2675, 66.2306, 80.4726



64.3162, 72.2141, 70.2269

# 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.



58.0219, 66.2306, 71.1880



67.2675, 66.2306, 80.4726



60.7267, 66.2306, 59.8600

# Square

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



67.2675, 66.2306, 80.4726



65.8049, 66.2306, 60.6851



58.8217, 66.2306, 64.3550



60.1793, 66.2306, 84.8944



# Rectangle

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



67.2675, 66.2306, 80.4726



67.9453, 66.2306, 68.1052



58.8217, 66.2306, 64.3550



58.2061, 66.2306, 76.2768

# Sweetspot

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



67.2694, 66.2335, 80.4740



92.5931, 95.1899, 107.7614



62.0415, 63.5226, 80.9439



19.6817, 20.1064, 23.0014



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.



67.2694, 66.2335, 80.4740



87.2324, 84.7095, 105.2314



66.0156, 65.7319, 73.8717



14.2622, 13.9225, 17.1510



24.8392, 12.0027, 37.4144



1.7314, 0.8358, 2.6444



# Inverse Universe

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



67.2694, 66.2335, 80.4740



87.2324, 84.7095, 105.2314



65.5138, 72.6931, 76.5334



14.2622, 13.9225, 17.1510



24.8392, 12.0027, 37.4144

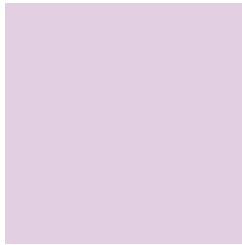


1.7314, 0.8358, 2.6444



# Previews

## White Background



This preview shows how the XYZ color 67.2675, 66.2306, 80.4726 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

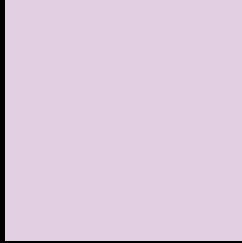
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.2675, 66.2306, 80.4726 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

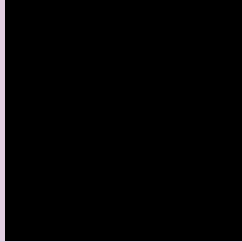
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 67.2675, 66.2306, 80.4726**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.2675, 66.2306, 80.4726.



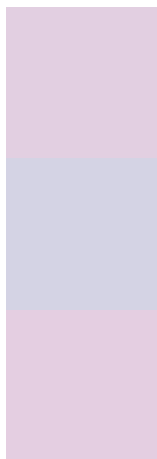
This preview shows how white text looks on a background with the XYZ color 67.2675, 66.2306,

80.4726.

# 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

67.2675, 66.2306, 80.4726

### Protanopia

64.4492, 66.1870, 82.7773

### Deuteranopia

67.6568, 66.0728, 80.4216



## Tritanopia

67.1314, 66.1762, 79.7561

# Trichromacy



## Original Color

67.2675, 66.2306, 80.4726

## Protanomaly

65.5270, 66.3910, 82.0341

## Deuteranomaly

67.3405, 65.9097, 80.4068

## Tritanomaly

67.1314, 66.1762, 79.7561

# Monochromacy



## Original Color

67.2675, 66.2306, 80.4726

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

65.5431, 67.2615, 76.5461

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.2675, 66.2306, 80.4726 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(226, 207, 225)` looks like.

```
.text, #text, p{  
    color:rgb(226, 207, 225)  
}
```

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(226, 207, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 207, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 67.2675, 66.2306, 80.4726 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(226, 207, 225) }
```



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

```
.border{ border-color:rgb(226, 207, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 207, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 207, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 207, 225);  
box-shadow:4px 4px 4px 4px rgb(226, 207,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.2675, 66.2306, 80.4726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 207, 225) }
```

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

```
.background{ background-color: rgb(226,  
207, 225) }
```

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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