

# Converting Colors

XYZ(75.7461, 76.0226, 90.8707)

Have a look what the booklet for  
XYZ(75.7461, 76.0226, 90.8707)  
contains.

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# Color

**XYZ(75.6683, 76.0191,  
90.8058)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBDEED
RGB	235, 222, 237
RGB Percent	92%, 87%, 93%
CMY	0.0784, 0.1294, 0.0706
CMYK	0.01, 0.06, 0.00, 0.07
HSL	292°, 29%, 90%
HSV	292°, 6%, 93%
XYZ	75.6683, 76.0191, 90.8058
YIQ	227.5970, 2.9330, 7.4210

# Conversions

## Conversions Part 2

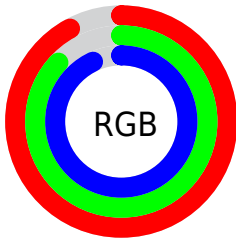
Format	Color
R <sub>Y</sub> B	235, 222, 237
Decimal	15458029
CIE Lab	89.87, 7.08, -5.72
CIE LCh	90, 9.103, 321.036
Yxy	76.0191, 0.3120, 0.3135
Android (android.graphics.Color)	4293648109 (0xFFEBDEED)
YUV	227.5970, 4.6357, 6.4924
Hunter-Lab	87.1889, 2.3334, -0.7173

# Details

The XYZ color **75.6683, 76.0191, 90.8058** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.2122, 81.6916, 80.9677**, and the grayscale version is **73.4161, 77.2394, 84.1137**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7496, 40.5573, 49.3967** is the 20% darker color. If you saturate the color by 10%, you get **68.7774, 63.7716, 88.8061**, and if you desaturate by 10%, it is **83.4669, 90.0523, 93.1046**.

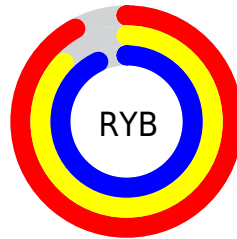
# Distribution



Red (92%)

Green (87%)

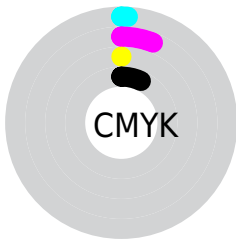
Blue (93%)



Red (92%)

Yellow (87%)

Blue (93%)

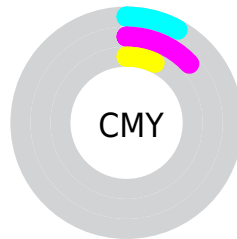


Cyan (1%)

Magenta (6%)

Yellow (0%)

Black (7%)



Cyan (8%)

Magenta (13%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6683, 76.0191, 90.8058 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 75.6683, 76.0191, 90.8058 by changing the saturation by 10% instead.



75.6683, 76.0191,  
90.8058

75.6683, 76.0191,  
90.8058

469.1733,  
481.4131, 551.2862

56.4567, 56.4482,  
68.0717

126.2408,  
127.7539, 150.4025

40.8076, 40.5624,  
49.4890

158.3323,  
160.6866, 188.1021

28.3558, 27.9773,  
34.6392

195.4479,  
198.8419, 231.6273

18.7359, 18.3085,  
23.1038

237.9528,  
242.6044, 281.3967

11.5824, 11.1717,  
14.4641

286.2125,  
292.3583, 337.8287

6.5302, 6.1825,  
8.3018

340.5922,

3.2138, 2.9563,

348.4882, 401.3419

4.1981

401.4574,  
411.3783, 472.3549

■ 1.2678, 1.1090,  
1.7346

■ 0.1589, 0.0000,  
0.3843

■ 75.6683, 76.0191,  
90.8058

■ 75.6683, 76.0191,  
90.8058

■ 68.7774, 63.7716,  
88.8061

■ 83.4669, 90.0523,  
93.1046

■ 62.7508, 53.2265,  
87.0883

■ 87.4322, 96.3921,  
94.1193

■ 57.5513, 44.3084,  
85.6410

■ 88.5224, 96.9542,  
94.1703

■ 53.1366, 36.9326,  
84.4500

■ 89.6315, 97.5259,  
94.2222

49.4602, 31.0067,  
83.5000

90.7595, 98.1074,  
94.2750

46.4709, 26.4280,  
82.7738

91.9065, 98.6987,  
94.3287

44.1107, 23.0809,  
82.2521

92.2863, 98.8945,  
94.3465

42.3117, 20.8296,  
81.9124

40.9893, 19.5051,  
81.7264

# Harmonies

## Analogous

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



73.8171, 76.0191, 94.8764



75.6683, 76.0191, 90.8058



76.6097, 76.0191, 84.7165

# Triad

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



75.6683, 76.0191, 90.8058



72.9297, 76.0191, 71.1324



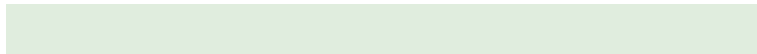
68.2928, 76.0191, 87.2969

# Complementary

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



75.6683, 76.0191, 90.8058



74.2122, 81.6916, 80.9677

# 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.



68.0664, 76.0191, 80.8572



75.6683, 76.0191, 90.8058



70.7129, 76.0191, 71.7434

# Square

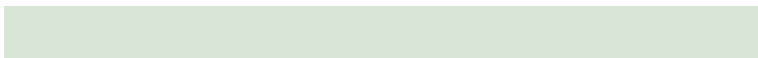
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6683, 76.0191, 90.8058



75.0072, 76.0191, 73.5119



68.9437, 76.0191, 75.2264



69.5688, 76.0191, 92.7786



# Rectangle

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



75.6683, 76.0191, 90.8058



76.5815, 76.0191, 80.4240



68.9437, 76.0191, 75.2264



68.0924, 76.0191, 85.1650

# Sweetspot

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



75.6705, 76.0224, 90.8075



93.1948, 96.6603, 108.3532



72.1363, 75.0933, 90.8144



19.9670, 20.7243, 23.1978



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.



75.6705, 76.0224, 90.8075



87.8901, 87.1555, 106.7981



75.5787, 76.0623, 86.8581



15.5058, 15.2060, 19.0401



22.2319, 10.4969, 44.5973



1.8006, 0.8525, 3.5045



# Inverse Universe

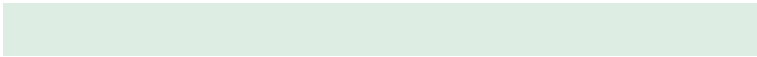
The Inverse Universe completely reimagines the original color for something new.



74.5035, 75.6323, 81.1964



86.1669, 86.5810, 92.5368



74.3107, 81.6598, 84.7023



15.1472, 15.0867, 16.0607



19.2342, 9.8964, 1.7685

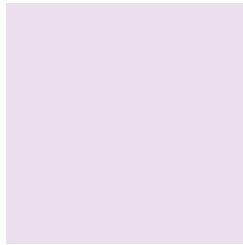


1.5364, 0.7875, 0.2761



# Previews

## White Background



This preview shows how the XYZ color 75.6683, 76.0191, 90.8058 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

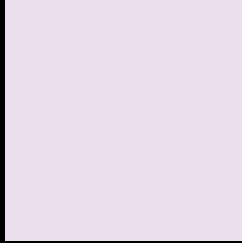
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.6683, 76.0191, 90.8058 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

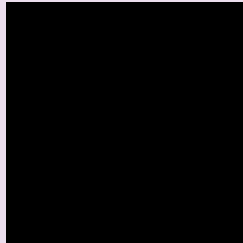
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

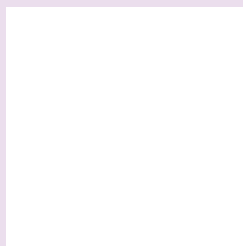
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.6683, 76.0191, 90.8058

## Background



This preview shows how black text looks on a background with the XYZ color 75.6683, 76.0191, 90.8058.



This preview shows how white text looks on a background with the XYZ color 75.6683, 76.0191,

90.8058.

# 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

75.6683, 76.0191, 90.8058

### Protanopia

73.8692, 76.2512, 92.4860

### Deuteranopia

77.7263, 75.8908, 91.4407



## Tritanopia

75.9622, 76.1367, 92.3536

# Trichromacy



## Original Color

75.6683, 76.0191, 90.8058

## Protanomaly

74.4014, 76.1424, 91.6645

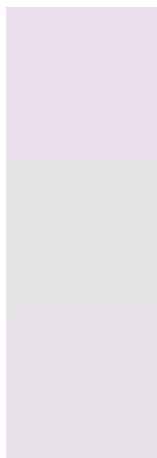
## Deuteranomaly

76.9610, 75.8847, 91.4799

## Tritanomaly

75.8148, 76.0778, 91.5775

# Monochromacy



## Original Color

75.6683, 76.0191, 90.8058

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.5752, 77.1512, 86.5624

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.6683, 76.0191, 90.8058 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(235, 222, 237)` looks like.

```
.text, #text, p{  
    color:rgb(235, 222, 237)  
}
```

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(235, 222, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 222, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 75.6683, 76.0191, 90.8058 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(235, 222, 237) }
```



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

```
.border{ border-color:rgb(235, 222, 237) }
```

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

Here you see how a box with a 4 pixel rgb(235, 222, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 222, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 222, 237);  
box-shadow:4px 4px 4px 4px rgb(235, 222,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.6683, 76.0191, 90.8058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 222, 237) }
```

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

```
.background{ background-color: rgb(235,  
222, 237) }
```

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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