

# Converting Colors

XYZ(74.7917, 77.2875, 85.6670)

Have a look what the booklet for  
XYZ(74.7917, 77.2875, 85.6670)  
contains.

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# Color

**XYZ(74.7580, 77.2617,  
85.8357)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E8E2E6
RGB	232, 226, 230
RGB Percent	91%, 89%, 90%
CMY	0.0902, 0.1137, 0.0980
CMYK	0.00, 0.03, 0.01, 0.09
HSL	320°, 12%, 90%
HSV	320°, 3%, 91%
XYZ	74.7580, 77.2617, 85.8357
YIQ	228.2500, 2.2920, 2.5160

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	232, 226, 230
Decimal	15262438
CIE Lab	90.44, 2.74, -1.24
CIE LCh	90, 3.005, 335.717
Yxy	77.2617, 0.3143, 0.3248
Android (android.graphics.Color)	4293452518 (0xFFE8E2E6)
YUV	228.2500, 0.8628, 3.2887
Hunter-Lab	87.8986, -2.0079, 3.6305

# Details

The XYZ color **74.7580, 77.2617, 85.8357** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.2272, 79.4855, 84.8328**, and the grayscale version is **73.9204, 77.7700, 84.6915**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2053, 41.4511, 46.4393** is the 20% darker color. If you saturate the color by 10%, you get **67.8093, 65.0641, 78.2769**, and if you desaturate by 10%, it is **82.6129, 91.1924, 93.9366**.

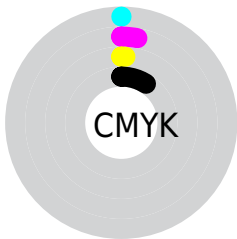
# Distribution



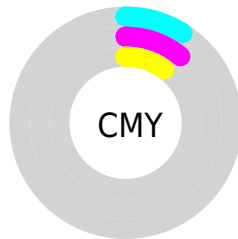
- Red (91%)
- Green (89%)
- Blue (90%)



- Red (91%)
- Yellow (89%)
- Blue (90%)



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)
- Black (9%)



- Cyan (9%)
- Magenta (11%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7580, 77.2617, 85.8357 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 74.7580, 77.2617, 85.8357 by changing the saturation by 10% instead.



■ 74.7580, 77.2617,  
85.8357

■ 74.7580, 77.2617,  
85.8357

466.0954,  
485.6558, 534.6058

■ 55.7081, 57.4677,  
63.9780

124.9595,  
129.5088, 143.4247

■ 40.2050, 41.3808,  
46.1868

156.8418,  
162.7307, 179.9931

■ 27.8834, 28.6168,  
32.0435

193.7323,  
201.1974, 222.3021

■ 18.3778, 18.7911,  
21.1296

235.9964,  
245.2932, 270.7703

■ 11.3229, 11.5194,  
13.0266

283.9994,  
295.4026, 325.8163

■ 6.3533, 6.4174,  
7.3159

338.1067,

■ 3.1038, 3.1005,

351.9099, 387.8585

3.5790

398.6835,  
415.1995, 457.3155

■ 1.2089, 1.1844,  
1.3974

■ 0.1134, 0.0489,  
0.1397

■ 74.7580, 77.2617,  
85.8357

■ 74.7580, 77.2617,  
85.8357

■ 67.8093, 65.0641,  
78.2769

■ 82.6129, 91.1924,  
93.9366

■ 61.7256, 54.5213,  
71.2404

■ 85.5938, 95.2979,  
100.6528

■ 56.4721, 45.5637,  
64.7126

■ 86.8034, 95.7818,  
107.0227

■ 52.0091, 38.1130,  
58.6770

■ 87.0892, 95.8961,  
108.5274

■ 48.2936, 32.0841,  
53.1161

■ 45.2783, 27.3835,  
48.0107

■ 42.9102, 23.9063,  
43.3398

■ 41.1283, 21.5317,  
39.0796

■ 39.8591, 20.1138,  
35.2021

# Harmonies

## Analogous

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



74.2805, 77.2617, 87.5247



74.7580, 77.2617, 85.8357



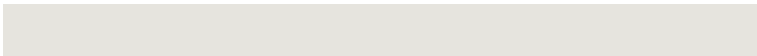
74.8800, 77.2617, 83.7139

# Triad

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



74.7580, 77.2617, 85.8357



73.2913, 77.2617, 80.0798



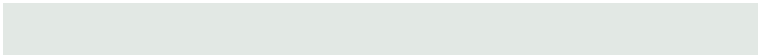
72.2697, 77.2617, 86.5603

# Complementary

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



74.7580, 77.2617, 85.8357



74.2272, 79.4855, 84.8328

# 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.



72.0086, 77.2617, 84.5372



74.7580, 77.2617, 85.8357



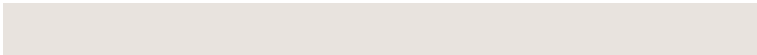
72.5958, 77.2617, 80.8142

# Square

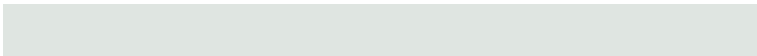
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



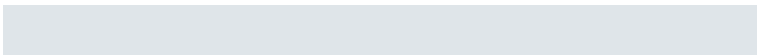
74.7580, 77.2617, 85.8357



74.0299, 77.2617, 80.4141



72.1276, 77.2617, 82.4369



72.8432, 77.2617, 87.9480

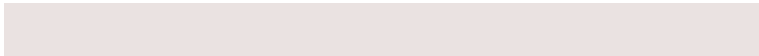


# Rectangle

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



74.7580, 77.2617, 85.8357



74.7426, 77.2617, 82.3445



72.1276, 77.2617, 82.4369



72.1426, 77.2617, 85.9307

# Sweetspot

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



74.7602, 77.2650, 85.8374



94.1052, 98.3291, 107.9110



73.7598, 76.7167, 87.2653



20.1524, 21.0641, 23.1078



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

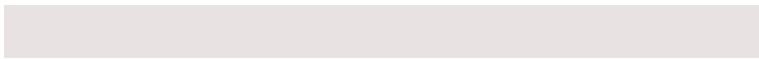
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.7602, 77.2650, 85.8374



92.2497, 95.0525, 105.9533



74.3429, 77.0981, 83.6397



15.6236, 16.0115, 17.9546



21.8024, 10.8552, 18.3864



1.6538, 0.8192, 1.5835



# Inverse Universe

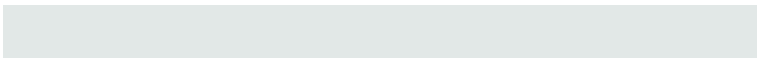
The Inverse Universe completely reimagines the original color for something new.



74.7602, 77.2650, 85.8374



92.2497, 95.0525, 105.9533



74.6469, 79.6534, 87.0432



15.6236, 16.0115, 17.9546



21.8024, 10.8552, 18.3864

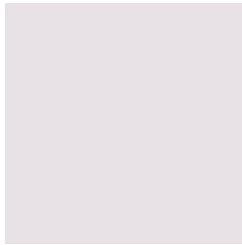


1.6538, 0.8192, 1.5835



# Previews

## White Background



This preview shows how the XYZ color 74.7580, 77.2617, 85.8357 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

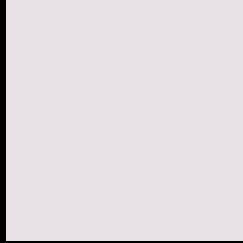
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.7580, 77.2617, 85.8357 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

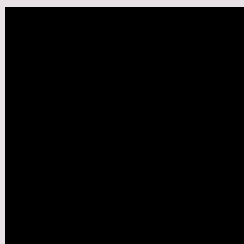
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

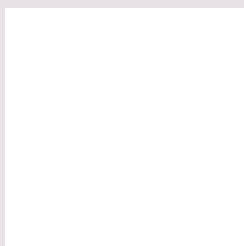
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.7580, 77.2617, 85.8357**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.7580, 77.2617, 85.8357.



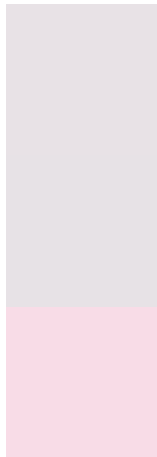
This preview shows how white text looks on a background with the XYZ color 74.7580, 77.2617,



# 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

74.7580, 77.2617, 85.8357

### Protanopia

74.4343, 77.0948, 85.8206

### Deuteranopia

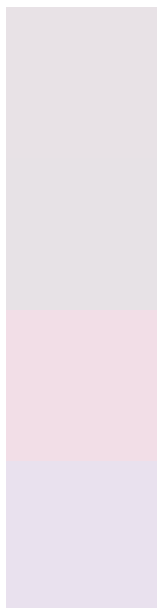
78.7284, 76.9124, 86.2974



## Tritanopia

76.6144, 77.2145, 94.8703

# Trichromacy



## Original Color

74.7580, 77.2617, 85.8357

## Protanomaly

74.4343, 77.0948, 85.8206

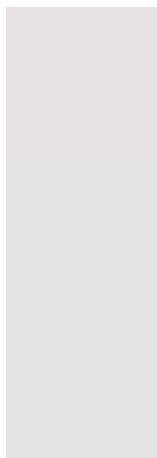
## Deuteranomaly

77.1630, 76.8893, 86.3755

## Tritanomaly

75.9621, 77.3471, 91.8148

# Monochromacy



## Original Color

74.7580, 77.2617, 85.8357

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.9250, 77.2533, 85.1439

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.7580, 77.2617, 85.8357 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(232, 226, 230) looks like.

```
.text, #text, p{  
    color:rgb(232, 226, 230)  
}
```

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(232, 226, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 226, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 74.7580, 77.2617, 85.8357 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(232, 226, 230) }
```



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

```
.border{ border-color:rgb(232, 226, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 226, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 226, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 226, 230);  
box-shadow:4px 4px 4px 4px rgb(232, 226,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.7580, 77.2617, 85.8357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 226, 230) }
```

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

```
.background{ background-color: rgb(232,  
226, 230) }
```

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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