

# Converting Colors

XYZ(75.0745, 78.0057, 85.5198)

Have a look what the booklet for  
XYZ(75.0745, 78.0057, 85.5198)  
contains.

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# **Color**

**XYZ(74.8907, 77.7511,  
85.1890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8E3E5
RGB	232, 227, 229
RGB Percent	91%, 89%, 90%
CMY	0.0902, 0.1098, 0.1020
CMYK	0.00, 0.02, 0.01, 0.09
HSL	336°, 10%, 90%
HSV	336°, 2%, 91%
XYZ	74.8907, 77.7511, 85.1890
YIQ	228.7230, 2.3380, 1.6820

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	232, 227, 229
Decimal	15262693
CIE Lab	90.67, 2.05, -0.38
CIE LCh	91, 2.081, 349.369
Yxy	77.7511, 0.3149, 0.3269
Android (android.graphics.Color)	4293452773 (0xFFE8E3E5)
YUV	228.7230, 0.1366, 2.8739
Hunter-Lab	88.1766, -2.7043, 4.4425

# Details

The XYZ color **74.8907, 77.7511, 85.1890** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.8211, 79.7595, 86.3187**, and the grayscale version is **74.2723, 78.1403, 85.0948**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2970, 41.7911, 45.9870** is the 20% darker color. If you saturate the color by 10%, you get **67.1006, 65.1592, 73.3777**, and if you desaturate by 10%, it is **83.6963, 92.1222, 98.1109**.

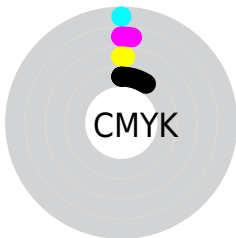
# Distribution



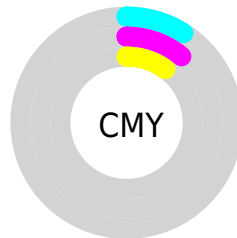
- Red (91%)
- Green (89%)
- Blue (90%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (1%)
- Black (9%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8907, 77.7511, 85.1890 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 74.8907, 77.7511, 85.1890 by changing the saturation by 10% instead.



■ 74.8907, 77.7511,  
85.1890

■ 74.8907, 77.7511,  
85.1890

466.5448,  
487.3211, 532.4141

■ 55.8172, 57.8695,  
63.4465

125.1464,  
130.1992, 142.5137

■ 40.2928, 41.7038,  
45.7592

157.0593,  
163.5345, 178.9330

■ 27.9521, 28.8694,  
31.7086

193.9827,  
202.1232, 221.0817

■ 18.4299, 18.9821,  
20.8760

236.2819,  
246.3497, 269.3782

■ 11.3606, 11.6573,  
12.8430

284.3224,  
296.5983, 324.2412

■ 6.3790, 6.5108,  
7.1911

338.4695,

■ 3.1197, 3.1581,

353.2535, 386.0892

3.5016

399.0885,  
416.6996, 455.3406

■ 1.2174, 1.2148,  
1.3561

■ 0.1200, 0.0738,  
0.1071

■ 74.8907, 77.7511,  
85.1890

■ 74.8907, 77.7511,  
85.1890

■ 67.1006, 65.1592,  
73.3777

■ 83.6963, 92.1222,  
98.1109

■ 60.2819, 54.2670,  
62.6415

■ 87.0893, 95.8961,  
108.5274

■ 54.3968, 45.0040,  
52.9500

■ 49.4023, 37.2908,  
44.2696

■ 45.2522, 31.0412,  
36.5646

■ 41.8958, 26.1606,  
29.7970

■ 39.2764, 22.5432,  
23.9258

■ 37.3297, 20.0674,  
18.9060

■ 35.9783, 18.5871,  
14.6871

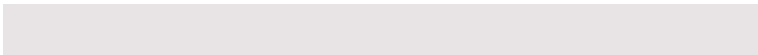
# Harmonies

## Analogous

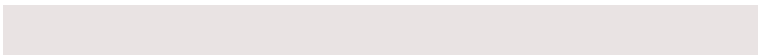
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.6642, 77.7511, 86.5429



74.8907, 77.7511, 85.1890



74.8508, 77.7511, 83.7082

# Triad

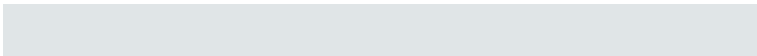
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.8907, 77.7511, 85.1890



73.5678, 77.7511, 81.9754



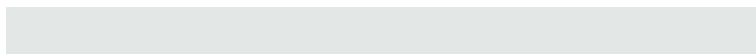
73.2486, 77.7511, 86.8575

# Complementary

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



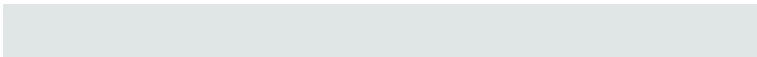
74.8907, 77.7511, 85.1890



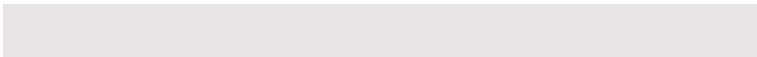
74.8211, 79.7595, 86.3187

# 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.



72.9575, 77.7511, 85.6144



74.8907, 77.7511, 85.1890



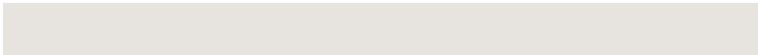
73.1412, 77.7511, 82.8001

# Square

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



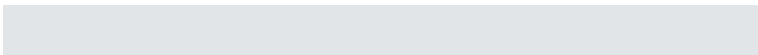
74.8907, 77.7511, 85.1890



74.0854, 77.7511, 81.8646



72.9183, 77.7511, 84.1287



73.7151, 77.7511, 87.5137

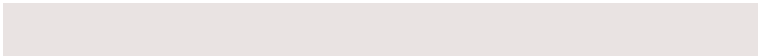


# Rectangle

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



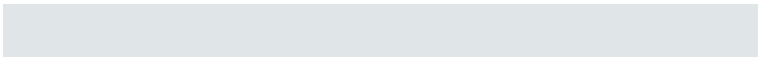
74.8907, 77.7511, 85.1890



74.6785, 77.7511, 82.8479



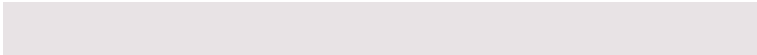
72.9183, 77.7511, 84.1287



73.1271, 77.7511, 86.4937

# Sweetspot

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



74.8929, 77.7545, 85.1907



93.9963, 98.2856, 107.3374



74.6705, 77.5909, 87.3862



20.1302, 21.0552, 22.9911



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

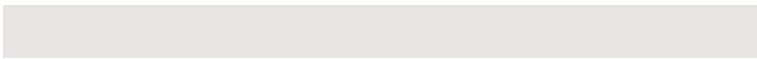
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.8929, 77.7545, 85.1907



91.9270, 94.9234, 104.2539



74.7526, 77.9173, 83.7766



15.5549, 15.9840, 17.5928



19.6225, 9.9832, 6.9069



1.4949, 0.7557, 0.7465

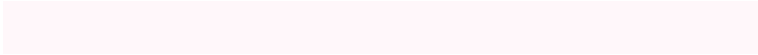


# Inverse Universe

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



74.8929, 77.7545, 85.1907



91.9270, 94.9234, 104.2539



74.9626, 79.5914, 87.7569



15.5549, 15.9840, 17.5928



19.6225, 9.9832, 6.9069

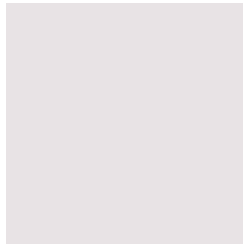


1.4949, 0.7557, 0.7465



# Previews

## White Background



This preview shows how the XYZ color 74.8907, 77.7511, 85.1890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

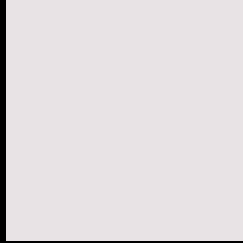
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.8907, 77.7511, 85.1890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

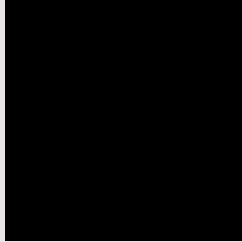
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

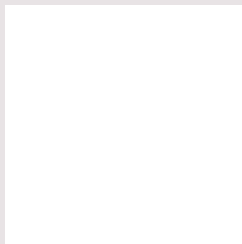
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.8907, 77.7511, 85.1890

## Background



This preview shows how black text looks on a background with the XYZ color 74.8907, 77.7511, 85.1890.



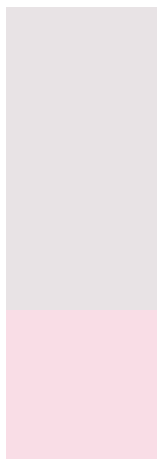
This preview shows how white text looks on a background with the XYZ color 74.8907, 77.7511,

85.1890.

# 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

74.8907, 77.7511, 85.1890

### Protanopia

74.8907, 77.7511, 85.1890

### Deuteranopia

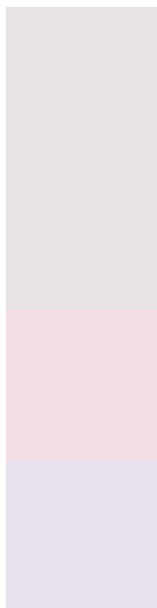
79.2063, 77.5658, 85.6600



## **Tritanopia**

77.0346, 77.8139, 95.7534

# Trichromacy



## Original Color

74.8907, 77.7511, 85.1890

## Protanomaly

74.8907, 77.7511, 85.1890

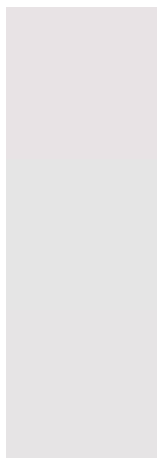
## Deuteranomaly

77.6328, 77.5432, 85.7386

## Tritanomaly

76.2332, 77.8894, 91.9052

# Monochromacy



## Original Color

74.8907, 77.7511, 85.1890

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.5194, 77.9669, 85.2503

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.8907, 77.7511, 85.1890 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, 227, 229) looks like.

```
.text, #text, p{  
    color:rgb(232, 227, 229)  
}
```

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, 227, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 227, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 74.8907, 77.7511, 85.1890 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, 227, 229) }
```



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

```
.border{ border-color:rgb(232, 227, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 227, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 227, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 227, 229); box-shadow:4px 4px 4px 4px rgb(232, 227, 229) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.8907, 77.7511, 85.1890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 227, 229) }
```

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

```
.background{ background-color: rgb(232,  
227, 229) }
```

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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