

# Converting Colors

XYZ(78.0373, 80.9412, 87.0271)

Have a look what the booklet for  
XYZ(78.0373, 80.9412, 87.0271)  
contains.

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# Color

**XYZ(77.9248, 80.9259,  
87.1145)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDE7E7
RGB	237, 231, 231
RGB Percent	93%, 91%, 91%
CMY	0.0706, 0.0941, 0.0941
CMYK	0.00, 0.03, 0.03, 0.07
HSL	0°, 14%, 92%
HSV	0°, 3%, 93%
XYZ	77.9248, 80.9259, 87.1145
YIQ	232.7940, 3.5760, 1.2720

# Conversions

## Conversions Part 2

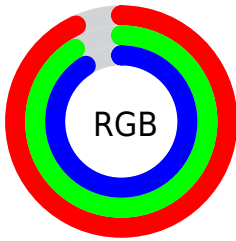
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 231, 231
Decimal	15591399
CIE Lab	92.10, 2.02, 0.71
CIE LCh	92, 2.145, 19.267
Yxy	80.9259, 0.3168, 0.3290
Android (android.graphics.Color)	4293781479 (0xFFE7E7E7)
YUV	232.7940, -0.8844, 3.6887
Hunter-Lab	89.9588, -2.8063, 5.5558

# Details

The XYZ color **77.9248, 80.9259, 87.1145** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.5252, 83.6706, 92.1332**, and the grayscale version is **77.3037, 81.3296, 88.5679**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1239, 43.5788, 46.7488** is the 20% darker color. If you saturate the color by 10%, you get **68.6157, 67.3061, 68.5999**, and if you desaturate by 10%, it is **88.5887, 96.5279, 108.3189**.

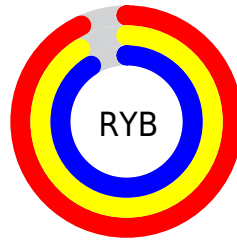
# Distribution



Red (93%)

Green (91%)

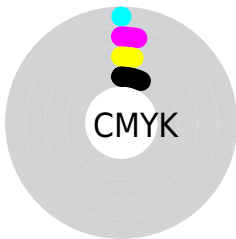
Blue (91%)



Red (93%)

Yellow (91%)

Blue (91%)

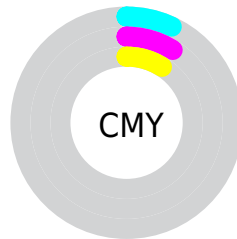


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (7%)



Cyan (7%)

Magenta (9%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9248, 80.9259, 87.1145 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 77.9248, 80.9259, 87.1145 by changing the saturation by 10% instead.



77.9248, 80.9259,  
87.1145

77.9248, 80.9259,  
87.1145

476.7551,  
498.0477, 538.9250

58.3148, 60.4806,  
65.0298

129.4100,  
134.6667, 145.2240

42.3060, 43.8061,  
47.0337

162.0160,  
168.7310, 182.0859

29.5331, 30.5181,  
32.7078

199.6846,  
208.1037, 224.7106

19.6308, 20.2322,  
21.6334

242.7812,  
253.1693, 273.5166

12.2337, 12.5639,  
13.3920

291.6712,  
304.3121, 328.9225

6.9763, 7.1290,  
7.5652

346.7200,

3.4935, 3.5429,

361.9165, 391.3469

3.7342

408.2928,  
426.3669, 461.2082

■ 1.4198, 1.4213,  
1.4807

■ 0.2703, 0.2323,  
0.2035

■ 77.9248, 80.9259,  
87.1145

■ 77.9248, 80.9259,  
87.1145

■ 68.6157, 67.3061,  
68.5999

■ 88.5887, 96.5279,  
108.3189

■ 60.6008, 55.5793,  
52.6625

■ 88.7355, 96.7448,  
108.6045

■ 53.8247, 45.6647,  
39.1897

■ 48.2259, 37.4722,  
28.0586

■ 43.7371, 30.9036,  
19.1357

■ 40.2845, 25.8509,  
12.2739

■ 37.7853, 22.1931,  
7.3085

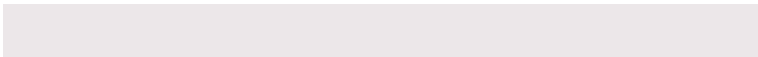
■ 36.1443, 19.7906,  
4.0496

■ 35.2461, 18.4752,  
2.2679

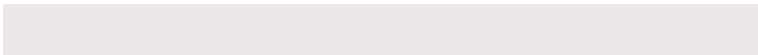
# Harmonies

## Analogous

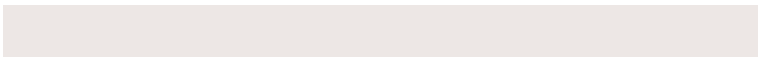
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9661, 80.9259, 88.6824



77.9248, 80.9259, 87.1145



77.6129, 80.9259, 85.8293

# Triad

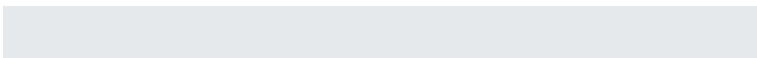
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9248, 80.9259, 87.1145



76.1155, 80.9259, 86.1442



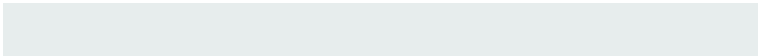
76.7200, 80.9259, 91.1376

# Complementary

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



77.9248, 80.9259, 87.1145



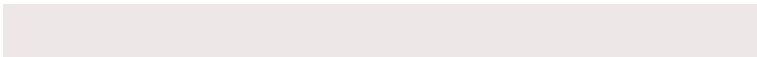
78.5252, 83.6706, 92.1332

# 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.



76.2265, 80.9259, 90.4400



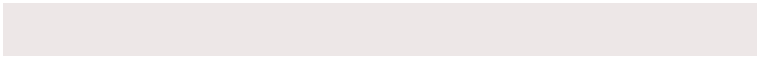
77.9248, 80.9259, 87.1145



75.8786, 80.9259, 87.5492

# Square

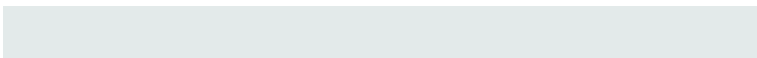
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



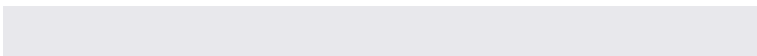
77.9248, 80.9259, 87.1145



76.5677, 80.9259, 85.2737



75.9192, 80.9259, 89.1222



77.2687, 80.9259, 91.0178

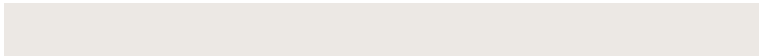


# Rectangle

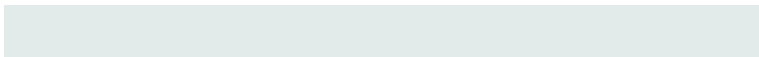
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



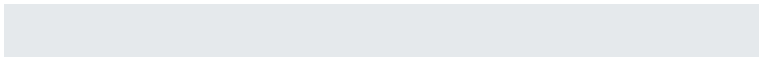
77.9248, 80.9259, 87.1145



77.2943, 80.9259, 85.2998



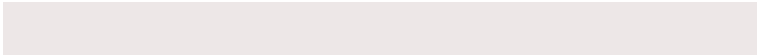
75.9192, 80.9259, 89.1222



76.5422, 80.9259, 90.9906

# Sweetspot

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



77.9271, 80.9294, 87.1163



93.8345, 98.2217, 106.4829



78.7882, 81.2720, 91.6564



20.0973, 21.0422, 22.8172



0.0000, 0.0000, 0.0000

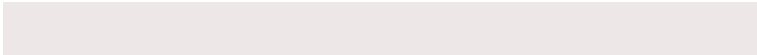


20.3446, 21.4041, 23.3091



# Same Dimension

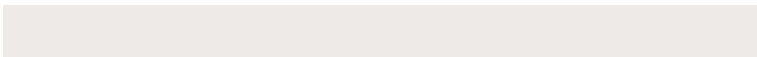
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9271, 80.9294, 87.1163



91.4521, 94.7360, 101.7450



78.7728, 82.6209, 87.3982



16.1969, 16.7098, 17.8790



19.0691, 9.8324, 0.8928

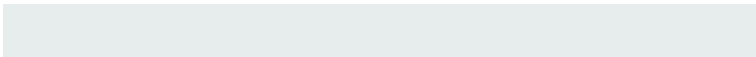


1.4977, 0.7727, 0.0702



# Inverse Universe

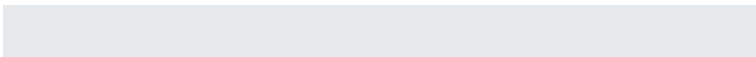
The Inverse Universe completely reimagines the original color for something new.



78.5252, 83.6706, 92.1332



92.2897, 98.5746, 108.7703



77.6651, 81.9502, 91.8465



16.3842, 17.5681, 19.4497



24.8549, 36.3568, 49.4505

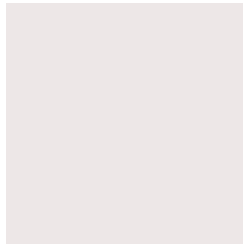


1.9520, 2.8554, 3.8832



# Previews

## White Background



This preview shows how the XYZ color 77.9248, 80.9259, 87.1145 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

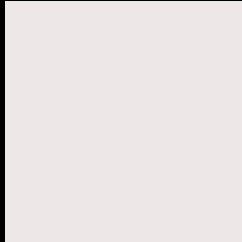
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.9248, 80.9259, 87.1145 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

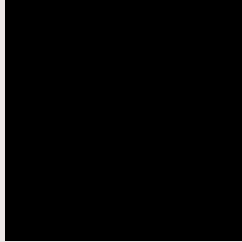
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

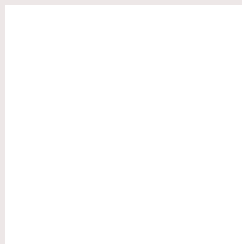
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 77.9248, 80.9259, 87.1145

## Background



This preview shows how black text looks on a background with the XYZ color 77.9248, 80.9259, 87.1145.



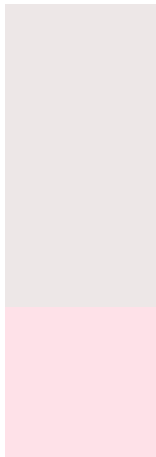
This preview shows how white text looks on a background with the XYZ color 77.9248, 80.9259,

87.1145.

# 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

77.9248, 80.9259, 87.1145

### Protanopia

77.9248, 80.9259, 87.1145

### Deuteranopia

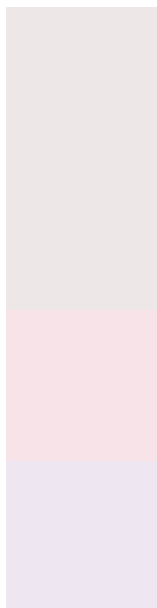
82.3638, 80.7475, 87.5887



## Tritanopia

80.4044, 81.1047, 99.4127

# Trichromacy



## Original Color

77.9248, 80.9259, 87.1145

## Protanomaly

77.9248, 80.9259, 87.1145

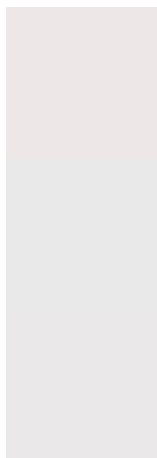
## Deuteranomaly

80.7460, 80.7208, 87.6688

## Tritanomaly

79.4339, 81.1216, 94.6905

# Monochromacy



## Original Color

77.9248, 80.9259, 87.1145

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

77.3538, 81.0318, 87.9077

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9248, 80.9259, 87.1145 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(237, 231, 231) looks like.

```
.text, #text, p{  
    color:rgb(237, 231, 231)  
}
```

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(237, 231, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 231, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9248, 80.9259, 87.1145 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(237, 231, 231) }
```



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

```
.border{ border-color:rgb(237, 231, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 231, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 231, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 231, 231);  
box-shadow:4px 4px 4px 4px rgb(237, 231,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9248, 80.9259, 87.1145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 231, 231) }
```

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

```
.background{ background-color: rgb(237,  
231, 231) }
```

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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