

# Converting Colors

XYZ(80.2582, 85.0957, 87.7964)

Have a look what the booklet for  
XYZ(80.2582, 85.0957, 87.7964)  
contains.

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# **Color**

**XYZ(80.2582, 85.0957,  
87.7964)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EEEEEE7
RGB	238, 238, 231
RGB Percent	93%, 93%, 91%
CMY	0.0667, 0.0666, 0.0941
CMYK	0.00, 0.00, 0.03, 0.07
HSL	60°, 17%, 92%
HSV	60°, 3%, 93%
XYZ	80.2582, 85.0957, 87.7964
YIQ	237.2020, 2.2470, -2.1770

# Conversions

## Conversions Part 2

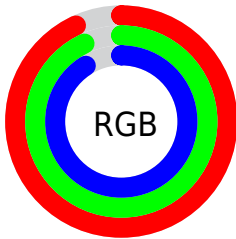
Format	Color
R <sub>Y</sub> B	231, 238, 231
Decimal	15658727
CIE Lab	93.92, -1.22, 3.37
CIE LCh	94, 3.586, 109.876
Yxy	85.0957, 0.3170, 0.3361
Android (android.graphics.Color)	4293848807 (0xFFEEEEEE7)
YUV	237.2020, -3.0576, 0.6998
Hunter-Lab	92.2473, -6.1320, 8.1439

# Details

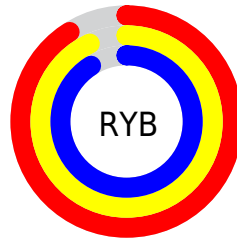
The XYZ color **80.2582, 85.0957, 87.7964** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.9668, 80.3161, 92.3393**, and the grayscale version is **80.6755, 84.8769, 92.4309**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7572, 46.4961, 47.2258** is the 20% darker color. If you saturate the color by 10%, you get **77.1186, 83.8420, 71.2791**, and if you desaturate by 10%, it is **83.8597, 86.5396, 106.7249**.

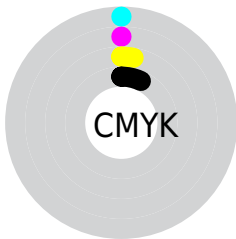
# Distribution



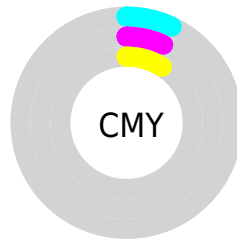
- Red (93%)
- Green (93%)
- Blue (91%)



- Red (91%)
- Yellow (93%)
- Blue (91%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (7%)
- Magenta (7%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2582, 85.0957, 87.7964 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 80.2582, 85.0957, 87.7964 by changing the saturation by 10% instead.



80.2582, 85.0957,  
87.7964

80.2582, 85.0957,  
87.7964

484.5259,  
511.9447, 541.2203

60.2400, 63.9205,  
65.5911

132.6773,  
140.5069, 146.1823

43.8623, 46.5863,  
47.4861

165.8090,  
175.5116, 183.2000

30.7598, 32.7087,  
33.0630

204.0425,  
215.8949, 225.9922

20.5669, 21.9034,  
21.9032

247.7433,  
262.0413, 274.9775

12.9184, 13.7859,  
13.5882

297.2767,  
314.3350, 330.5744

7.4490, 7.9719,  
7.6993

353.0080,

3.7933, 4.0770,

373.1606, 393.2015

3.8182

415.3026,  
438.9023, 463.2773

■ 1.5859, 1.7167,  
1.5261

■ 0.3832, 0.4344,  
0.2373

■ 80.2582, 85.0957,  
87.7964

■ 80.2582, 85.0957,  
87.7964

■ 77.1186, 83.8420,  
71.2791

■ 83.8597, 86.5396,  
106.7249

■ 74.4155, 82.7602,  
57.0709

■ 83.8965, 86.5549,  
106.8927


■ 72.1318, 81.8461,  
45.0707


■ 83.9015, 86.5575,  
106.8929


■ 70.2462, 81.0913,  
35.1677


■ 83.9065, 86.5601,  
106.8932


 68.7361, 80.4867,  
27.2416


 83.9115, 86.5626,  
106.8934


 67.5762, 80.0222,  
21.1598

 83.9165, 86.5652,  
106.8936


 66.7383, 79.6864,  
16.7736

 83.9215, 86.5678,  
106.8939

 66.1898, 79.4664,  
13.9111

 83.9265, 86.5704,  
106.8941

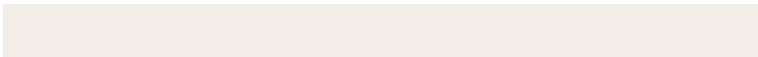
 65.8912, 79.3464,  
12.3646

 83.9315, 86.5730,  
106.8943

# Harmonies

## Analogous

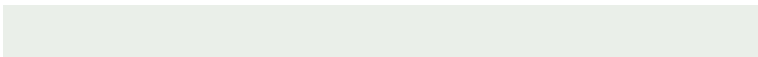
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2041, 85.0957, 87.5734



80.2582, 85.0957, 87.7964



79.4849, 85.0957, 89.3067

# Triad

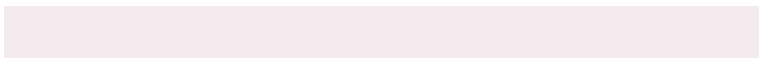
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2582, 85.0957, 87.7964



79.7033, 85.0957, 96.7346



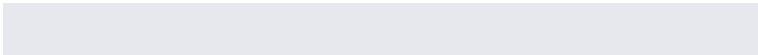
82.7021, 85.0957, 93.5823

# Complementary

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



80.2582, 85.0957, 87.7964



76.9668, 80.3161, 92.3393

# Split Complementary

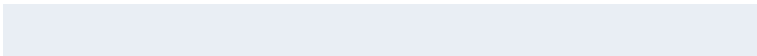
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2932, 85.0957, 96.0855



80.2582, 85.0957, 87.7964



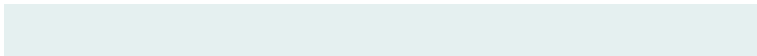
80.5585, 85.0957, 97.9290

# Square

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



80.2582, 85.0957, 87.7964



79.1662, 85.0957, 94.4543



81.5068, 85.0957, 97.6891



82.6202, 85.0957, 90.8782



# Rectangle

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



80.2582, 85.0957, 87.7964



79.1689, 85.0957, 90.8571



81.5068, 85.0957, 97.6891



82.6174, 85.0957, 94.4760

# Sweetspot

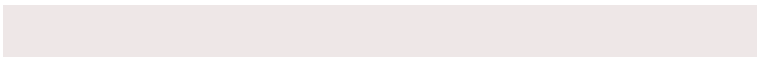
The Sweet Spot groups the original color and five complimentary colors.



80.2606, 85.0994, 87.7982



94.6415, 99.8365, 106.7520



78.2623, 81.1006, 87.1317



20.2615, 21.3708, 22.8720



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.



80.2606, 85.0994, 87.7982



93.4486, 99.3592, 100.4792



79.0976, 84.4998, 87.7438



17.4520, 18.5906, 18.5456



36.7016, 44.2419, 6.6052



3.0535, 3.6807, 0.5495



# Inverse Universe

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



76.9668, 80.3161, 92.3393



88.2306, 91.7815, 107.6731



78.1072, 80.9040, 92.3926



16.3037, 16.9230, 20.1288



8.6113, 3.4447, 45.3389

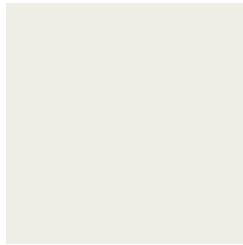


0.7167, 0.2867, 3.7718



# Previews

## White Background



This preview shows how the XYZ color 80.2582, 85.0957, 87.7964 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

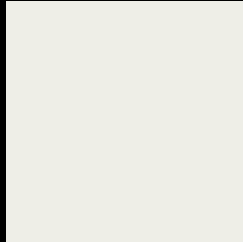
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.2582, 85.0957, 87.7964 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

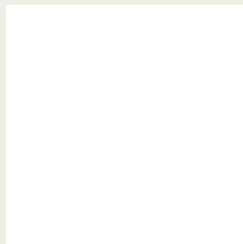
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 80.2582, 85.0957, 87.7964**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.2582, 85.0957, 87.7964.



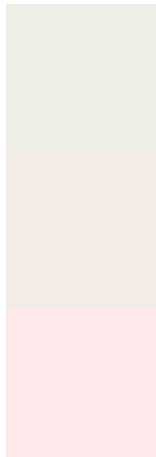
This preview shows how white text looks on a background with the XYZ color 80.2582, 85.0957,

87.7964.

# 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

80.2582, 85.0957, 87.7964

### Protanopia

81.2405, 84.7588, 86.9412

### Deuteranopia

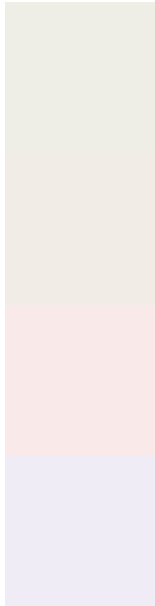
84.9479, 84.9137, 89.7547



## **Tritanopia**

83.7136, 85.2093, 104.9634

# Trichromacy



## Original Color

80.2582, 85.0957, 87.7964

## Protanomaly

80.8427, 84.9823, 87.0053

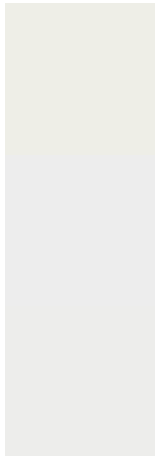
## Deuteranomaly

83.1977, 84.8686, 89.0871

## Tritanomaly

82.4121, 85.1087, 98.4702

# Monochromacy



## Original Color

80.2582, 85.0957, 87.7964

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

80.2046, 84.5711, 90.6939

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.2582, 85.0957, 87.7964 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(238, 238, 231) looks like.

```
.text, #text, p{  
    color:rgb(238, 238, 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(238, 238, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 238, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 80.2582, 85.0957, 87.7964 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(238, 238, 231) }
```



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

```
.border{ border-color:rgb(238, 238, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 238, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 238, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 238, 231);  
box-shadow:4px 4px 4px 4px rgb(238, 238,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.2582, 85.0957, 87.7964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 238, 231) }
```

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

```
.background{ background-color: rgb(238,  
238, 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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