

# Converting Colors

XYZ(78.7243, 83.1369, 88.1135)

Have a look what the booklet for  
XYZ(78.7243, 83.1369, 88.1135)  
contains.

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# **Color**

**XYZ(78.5348, 82.9050,  
88.2070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBEBE8
RGB	235, 235, 232
RGB Percent	92%, 92%, 91%
CMY	0.0784, 0.0784, 0.0902
CMYK	0.00, 0.00, 0.01, 0.08
HSL	60°, 7%, 92%
HSV	60°, 1%, 92%
XYZ	78.5348, 82.9050, 88.2070
YIQ	234.6580, 0.9630, -0.9330

# Conversions

## Conversions Part 2

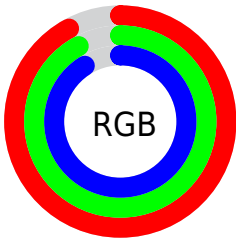
Format	Color
R <sub>Y</sub> B	232, 235, 232
Decimal	15461352
CIE Lab	92.97, -0.52, 1.44
CIE LCh	93, 1.535, 110.005
Yxy	82.9050, 0.3146, 0.3321
Android (android.graphics.Color)	4293651432 (0xFFEBEBE8)
YUV	234.6580, -1.3104, 0.2999
Hunter-Lab	91.0522, -5.3806, 6.2992

# Details

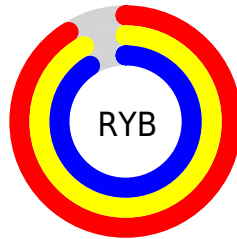
The XYZ color **78.5348, 82.9050, 88.2070** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.1338, 80.8694, 90.1454**, and the grayscale version is **78.7168, 82.8162, 90.1868**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5470, 44.9585, 47.5097** is the 20% darker color. If you saturate the color by 10%, you get **75.4083, 81.6559, 71.7850**, and if you desaturate by 10%, it is **82.0315, 84.3075, 106.5572**.

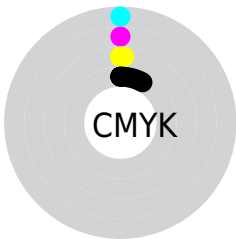
# Distribution



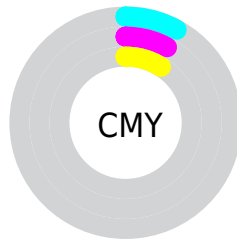
- Red (92%)
- Green (92%)
- Blue (91%)



- Red (91%)
- Yellow (92%)
- Blue (91%)



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)



- Cyan (8%)
- Magenta (8%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5348, 82.9050, 88.2070 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 78.5348, 82.9050, 88.2070 by changing the saturation by 10% instead.



■ 78.5348, 82.9050,  
88.2070

■ 78.5348, 82.9050,  
88.2070

478.7932,  
504.6699, 542.5997

■ 58.8177, 62.1118,  
65.9292

130.2651,  
137.4424, 146.7590

■ 42.7122, 45.1230,  
47.7588

163.0091,  
171.9554, 183.8702

■ 29.8529, 31.5543,  
33.2773

200.8260,  
211.8104, 226.7631

■ 19.8745, 21.0213,  
22.0661

244.0814,  
257.3918, 275.8560

■ 12.4116, 13.1396,  
13.7067

293.1404,  
309.0841, 331.5676

■ 7.0988, 7.5247,  
7.7805

348.3685,

■ 3.5709, 3.7924,

367.2716, 394.3164

3.8691

410.1310,  
432.3387, 464.5209

■ 1.4623, 1.5581,  
1.5538

■ 0.3000, 0.3291,  
0.2575

■ 78.5348, 82.9050,  
88.2070

■ 78.5348, 82.9050,  
88.2070

■ 75.4083, 81.6559,  
71.7850

■ 82.0315, 84.3075,  
106.5572

■ 72.7083, 80.5747,  
57.6196


■ 82.0416, 84.3127,  
106.5577


■ 70.4184, 79.6576,  
45.6139


■ 82.0517, 84.3179,  
106.5581


■ 68.5185, 78.8965,  
35.6618


■ 82.0618, 84.3231,  
106.5586


 66.9868, 78.2826,  
27.6484


 82.0718, 84.3283,  
106.5591


 65.7992, 77.8064,  
21.4473


 82.0819, 84.3335,  
106.5595


 64.9290, 77.4572,  
16.9174

 82.0920, 84.3387,  
106.5600

 64.3454, 77.2226,  
13.8967

 82.1021, 84.3439,  
106.5605

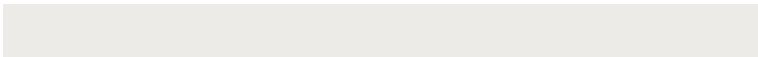
 64.0115, 77.0878,  
12.1909

 82.1122, 84.3491,  
106.5610

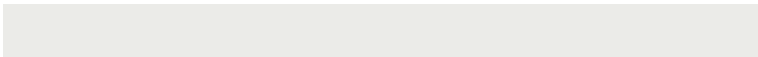
# Harmonies

## Analogous

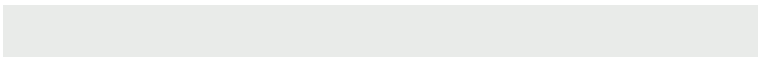
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9328, 82.9050, 88.1087



78.5348, 82.9050, 88.2070



78.2085, 82.9050, 88.8553

# Triad

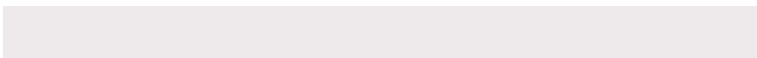
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5348, 82.9050, 88.2070



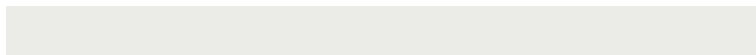
78.3034, 82.9050, 91.9746



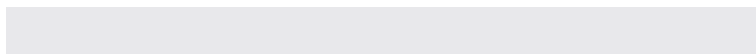
79.5617, 82.9050, 90.6539

# Complementary

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



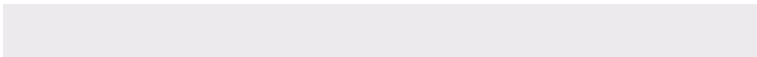
78.5348, 82.9050, 88.2070



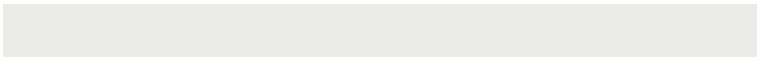
77.1338, 80.8694, 90.1454

# Split Complementary

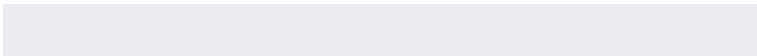
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.3919, 82.9050, 91.6985



78.5348, 82.9050, 88.2070



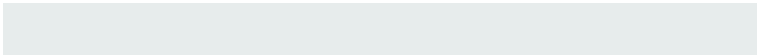
78.6648, 82.9050, 92.4653

# Square

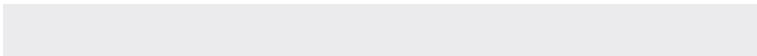
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



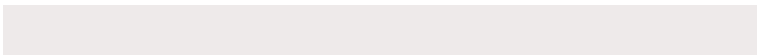
78.5348, 82.9050, 88.2070



78.0752, 82.9050, 91.0282



79.0632, 82.9050, 92.3638



79.5266, 82.9050, 89.5149



# Rectangle

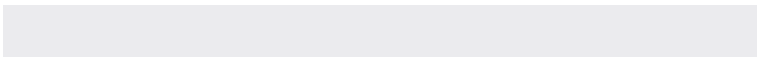
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



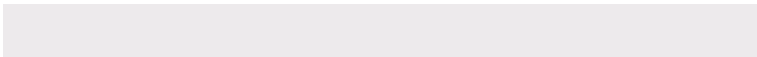
78.5348, 82.9050, 88.2070



78.0752, 82.9050, 89.5153



79.0632, 82.9050, 92.3638



79.5267, 82.9050, 91.0279

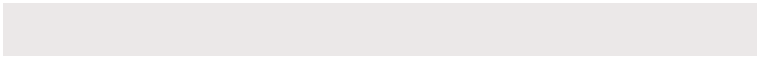
# Sweetspot

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



78.5371, 82.9086, 88.2088

95.0500, 100.0000, 108.9000



77.6856, 81.2036, 87.9246



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

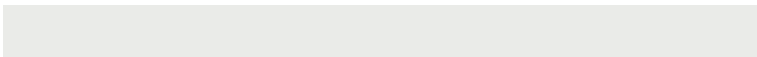
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5371, 82.9086, 88.2088



94.2372, 99.6746, 104.6326



78.0446, 82.6546, 88.1858



16.8643, 17.8319, 18.7588



35.5467, 42.8695, 6.4011

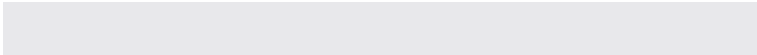


2.7919, 3.3666, 0.5027



# Inverse Universe

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



77.1338, 80.8694, 90.1454



91.5954, 95.8358, 108.2783



77.6222, 81.1212, 90.1683



16.4186, 17.1843, 19.3738



8.3486, 3.3398, 43.9476

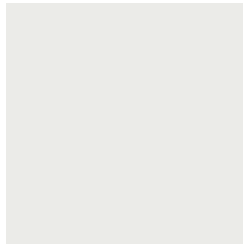


0.6562, 0.2626, 3.4510



# Previews

## White Background



This preview shows how the XYZ color 78.5348, 82.9050, 88.2070 looks on a white background.

## Color Contrast Check

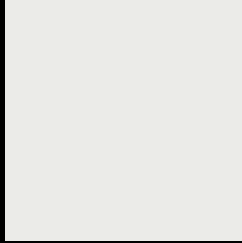
Large Text (above 18pt) WCAG AA × Fail

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 78.5348, 82.9050, 88.2070 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

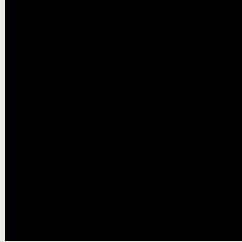
Any Text WCAG AAA ✓ Pass

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

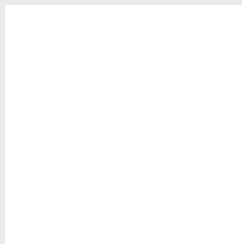


**XYZ 78.5348, 82.9050, 88.2070**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.5348, 82.9050, 88.2070.



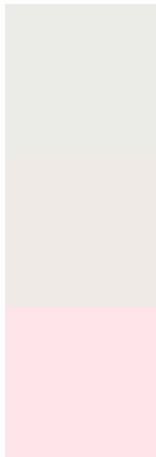
This preview shows how white text looks on a background with the XYZ color 78.5348, 82.9050,

88.2070.

# 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

78.5348, 82.9050, 88.2070

### Protanopia

79.7818, 83.1404, 87.4441

### Deuteranopia

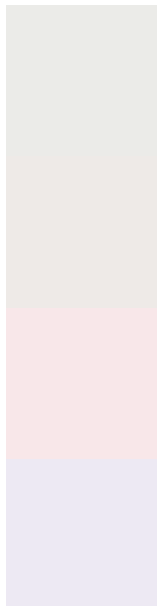
83.8347, 82.6873, 89.3836



## Tritanopia

81.3718, 82.7925, 102.1343

# Trichromacy



## Original Color

78.5348, 82.9050, 88.2070

## Protanomaly

79.1065, 82.7923, 87.4125

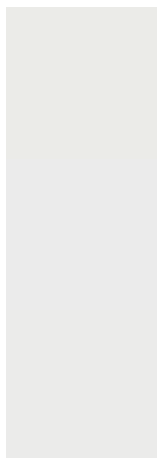
## Deuteranomaly

81.9953, 82.9915, 88.7881

## Tritanomaly

80.2416, 82.7534, 96.5378

# Monochromacy



## Original Color

78.5348, 82.9050, 88.2070

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.8206, 83.0193, 89.7119

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.5348, 82.9050, 88.2070 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, 235, 232) looks like.

```
.text, #text, p{  
    color:rgb(235, 235, 232)  
}
```

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, 235, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 235, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 78.5348, 82.9050, 88.2070 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, 235, 232) }
```

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

```
.border{ border-color:rgb(235, 235, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 235, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 235, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 235, 232);  
box-shadow:4px 4px 4px 4px rgb(235, 235,  
232) }
```



# Background

The CSS property to change the background color of an element to XYZ 78.5348, 82.9050, 88.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 235, 232) }
```

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

```
.background{ background-color: rgb(235,  
235, 232) }
```

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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