

# Converting Colors

XYZ(83.6764, 86.9919, 92.8514)

Have a look what the booklet for  
XYZ(83.6764, 86.9919, 92.8514)  
contains.

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# Color

**XYZ(83.8088, 87.2599,  
92.5464)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5EFED
RGB	245, 239, 237
RGB Percent	96%, 94%, 93%
CMY	0.0392, 0.0627, 0.0706
CMYK	0.00, 0.02, 0.03, 0.04
HSL	15°, 29%, 95%
HSV	15°, 3%, 96%
XYZ	83.8088, 87.2599, 92.5464
YIQ	240.5660, 4.2180, 0.6500

# Conversions

## Conversions Part 2

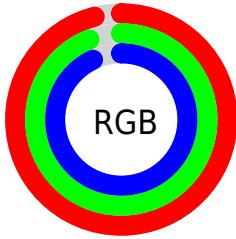
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 240, 237
Decimal	16117741
CIE Lab	94.85, 1.67, 1.67
CIE LCh	95, 2.357, 45.011
Yxy	87.2599, 0.3179, 0.3310
Android (android.graphics.Color)	4294307821 (0xFFFF5EFED)
YUV	240.5660, -1.7580, 3.8886
Hunter-Lab	93.4130, -3.3251, 6.6491

# Details

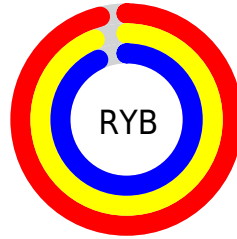
The XYZ color **83.8088, 87.2599, 92.5464** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.4571, 88.6972, 99.1091**, and the grayscale version is **83.2812, 87.6183, 95.4164**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2602, 48.0220, 50.5471** is the 20% darker color. If you saturate the color by 10%, you get **75.3662, 75.7163, 73.2620**, and if you desaturate by 10%, it is **91.4668, 98.1528, 108.7323**.

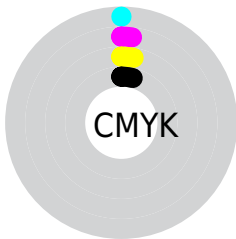
# Distribution



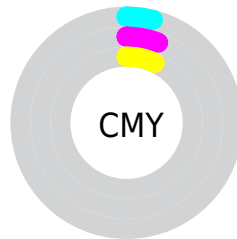
- Red (96%)
- Green (94%)
- Blue (93%)



- Red (96%)
- Yellow (94%)
- Blue (93%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (4%)



- Cyan (4%)
- Magenta (6%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.8088, 87.2599, 92.5464 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 83.8088, 87.2599, 92.5464 by changing the saturation by 10% instead.



83.8088, 87.2599,  
92.5464

83.8088, 87.2599,  
92.5464

496.2213,  
519.0765, 557.0623

63.1768, 65.7103,  
69.5090

137.6303,  
143.5263, 152.8367

46.2434, 48.0373,  
50.6520

171.5505,  
179.0120, 190.9267

32.6434, 33.8564,  
35.5569

210.6308,  
219.9118, 234.8713

22.0113, 22.7833,  
23.8052

255.2366,  
266.6101, 285.0890

13.9819, 14.4336,  
14.9783

305.7332,  
319.4913, 341.9985

8.1897, 8.4228,  
8.6577

362.4859,

4.2694, 4.3667,

378.9399, 406.0181

4.4249

425.8602,  
445.3401, 477.5665

■ 1.8556, 1.8807,  
1.8612

■ 0.5508, 0.5368,  
0.4679

■ 83.8088, 87.2599,  
92.5464

■ 83.8088, 87.2599,  
92.5464

■ 75.3662, 75.7163,  
73.2620

■ 91.4668, 98.1528,  
108.7323

■ 67.9205, 65.4166,  
56.6246

■ 61.4361, 56.3221,  
42.5195

■ 55.8726, 48.3881,  
30.8215

■ 51.1864, 41.5667,  
21.3948

■ 47.3302, 35.8069,  
14.0899

■ 44.2520, 31.0534,  
8.7390

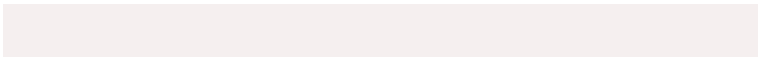
■ 41.8933, 27.2455,  
5.1487

■ 40.1857, 24.3150,  
3.0853

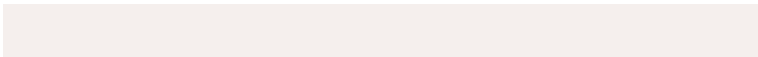
# Harmonies

## Analogous

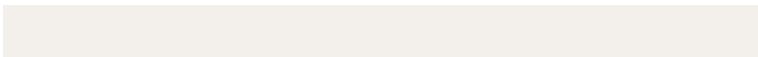
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1293, 87.2599, 94.1035



83.8088, 87.2599, 92.5464



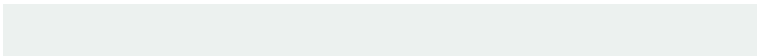
83.2558, 87.2599, 91.6555

# Triad

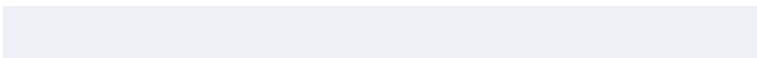
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8088, 87.2599, 92.5464



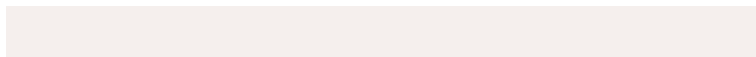
81.7578, 87.2599, 94.1048



83.2563, 87.2599, 98.4475

# Complementary

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



83.8088, 87.2599, 92.5464



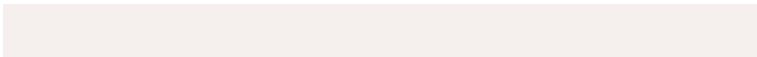
83.4571, 88.6972, 99.1091

# Split Complementary

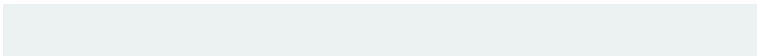
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.6208, 87.2599, 98.4479



83.8088, 87.2599, 92.5464



81.7579, 87.2599, 95.9247

# Square

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



83.8088, 87.2599, 92.5464



82.0728, 87.2599, 92.5473



82.0731, 87.2599, 97.5194

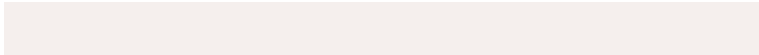


83.8091, 87.2599, 97.5184



# Rectangle

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



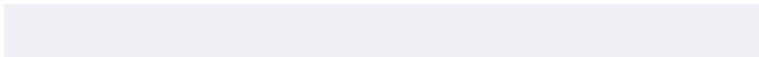
83.8088, 87.2599, 92.5464



82.8307, 87.2599, 91.5518



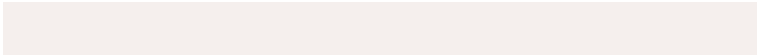
82.0731, 87.2599, 97.5194



83.0452, 87.2599, 98.5566

# Sweetspot

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



83.8113, 87.2637, 92.5483



94.0354, 98.6235, 106.5498



84.1193, 86.4533, 97.0489



20.1382, 21.1240, 22.8308



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.



83.8113, 87.2637, 92.5483



91.0604, 94.5794, 99.6825



84.9941, 89.6295, 92.9426



17.7080, 18.3472, 19.2166



21.2881, 12.4617, 1.2833

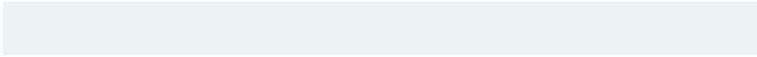


1.9495, 1.2522, 0.1389

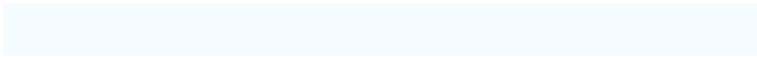


# Inverse Universe

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



83.4571, 88.6972, 99.1091



90.5867, 96.4970, 108.4591



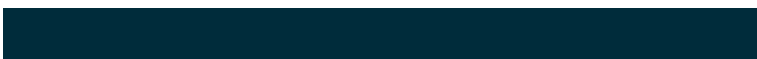
82.2743, 86.3315, 98.7148



17.5986, 18.7897, 21.2418



18.1865, 22.1668, 49.8581

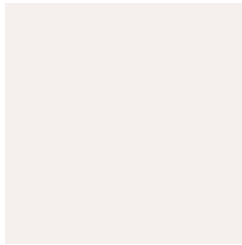


1.6795, 2.1103, 4.4091



# Previews

## White Background



This preview shows how the XYZ color 83.8088, 87.2599, 92.5464 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

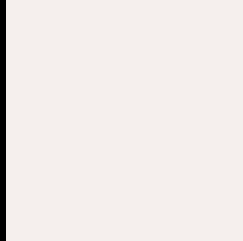
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.8088, 87.2599, 92.5464 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

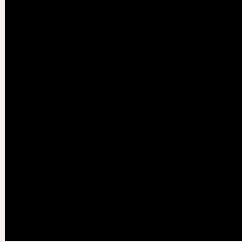
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

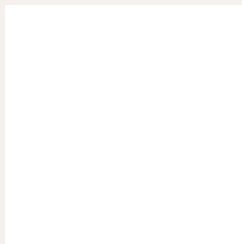
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.8088, 87.2599, 92.5464

## Background



This preview shows how black text looks on a background with the XYZ color 83.8088, 87.2599, 92.5464.



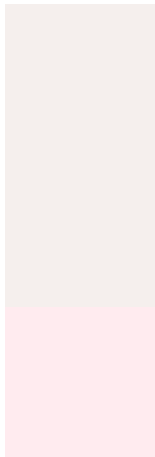
This preview shows how white text looks on a background with the XYZ color 83.8088, 87.2599,

92.5464.

# 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

83.8088, 87.2599, 92.5464

### Protanopia

83.8088, 87.2599, 92.5464

### Deuteranopia

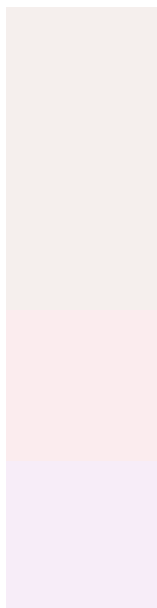
86.5283, 86.9087, 93.8759



## Tritanopia

86.7569, 87.1674, 106.8601

# Trichromacy



## Original Color

83.8088, 87.2599, 92.5464

## Protanomaly

83.8088, 87.2599, 92.5464

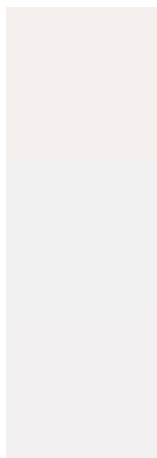
## Deuteranomaly

85.2117, 86.6732, 93.1274

## Tritanomaly

85.5852, 87.1198, 101.1119

# Monochromacy



## Original Color

83.8088, 87.2599, 92.5464

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.5062, 87.4887, 94.9238

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.8088, 87.2599, 92.5464 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(245, 239, 237) looks like.

```
.text, #text, p{  
    color:rgb(245, 239, 237)  
}
```

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(245, 239, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 239, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 83.8088, 87.2599, 92.5464 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(245, 239, 237) }
```



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

```
.border{ border-color:rgb(245, 239, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 239, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 239, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 239, 237); box-shadow:4px 4px 4px 4px rgb(245, 239, 237) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.8088, 87.2599, 92.5464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 239, 237) }
```

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

```
.background{ background-color: rgb(245,  
239, 237) }
```

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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