

# Converting Colors

XYZ(86.4536, 90.7165, 96.9231)

Have a look what the booklet for  
XYZ(86.4536, 90.7165, 96.9231)  
contains.

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# **Color**

**XYZ(86.3837, 90.7050,  
96.9593)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6F4F2
RGB	246, 244, 242
RGB Percent	96%, 96%, 95%
CMY	0.0353, 0.0431, 0.0510
CMYK	0.00, 0.01, 0.02, 0.04
HSL	30°, 18%, 96%
HSV	30°, 2%, 96%
XYZ	86.3837, 90.7050, 96.9593
YIQ	244.3700, 1.8340, -0.1980

# Conversions

## Conversions Part 2

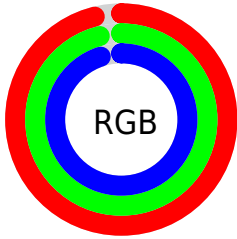
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 246, 242
Decimal	16184562
CIE Lab	96.29, 0.32, 1.19
CIE LCh	96, 1.228, 74.875
Yxy	90.7050, 0.3152, 0.3310
Android (android.graphics.Color)	4294374642 (0xFFFF6F4F2)
YUV	244.3700, -1.1684, 1.4295
Hunter-Lab	95.2392, -4.7657, 6.3066

# Details

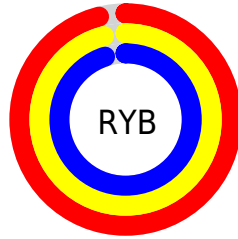
The XYZ color **86.3837, 90.7050, 96.9593** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.6031, 90.2311, 100.0945**, and the grayscale version is **86.2956, 90.7897, 98.8699**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.0814, 50.4588, 53.6597** is the 20% darker color. If you saturate the color by 10%, you get **79.3646, 82.1865, 77.6004**, and if you desaturate by 10%, it is **91.8165, 98.3331, 108.7487**.

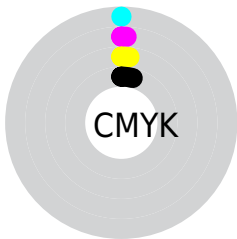
# Distribution



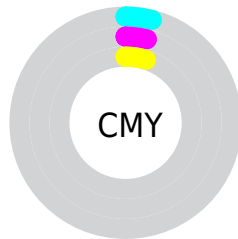
- Red (96%)
- Green (96%)
- Blue (95%)



- Red (96%)
- Yellow (96%)
- Blue (95%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (4%)



- Cyan (4%)
- Magenta (4%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.3837, 90.7050, 96.9593 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 86.3837, 90.7050, 96.9593 by changing the saturation by 10% instead.



86.3837, 90.7050,  
96.9593

86.3837, 90.7050,  
96.9593

504.6105,  
530.3215, 571.5624

65.3116, 68.5655,  
73.1609

141.2089,  
148.3173, 158.9875

47.9795, 50.3579,  
53.6149

175.6927,  
184.5589, 198.0543

34.0218, 35.6979,  
37.9028

215.3779,  
226.2700, 243.0478

23.0733, 24.2010,  
25.6060

260.6297,  
273.8349, 294.3863

14.7686, 15.4828,  
16.3060

311.8135,  
327.6382, 352.4885

8.7424, 9.1589,  
9.5843

369.2946,

4.6293, 4.8450,

388.0641, 417.7729

5.0222

433.4386,  
455.4971, 490.6580

■ 2.0640, 2.1566,  
2.2013

■ 0.6695, 0.6962,  
0.6751

■ 86.3837, 90.7050,  
96.9593

■ 86.3837, 90.7050,  
96.9593

■ 79.3646, 82.1865,  
77.6004

■ 91.8165, 98.3331,  
108.7487

■ 73.0615, 74.3374,  
60.8338

■ 67.4511, 67.1435,  
46.5491

■ 62.5056, 60.5855,  
34.6258

■ 58.1955, 54.6433,  
24.9331

■ 54.4883, 49.2952,  
17.3273

■ 51.3484, 44.5180,  
11.6479

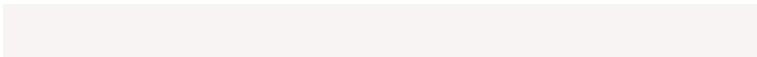
■ 48.7351, 40.2861,  
7.7103

■ 46.6006, 36.5706,  
5.2929

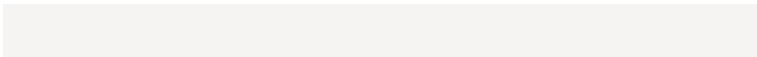
# Harmonies

## Analogous

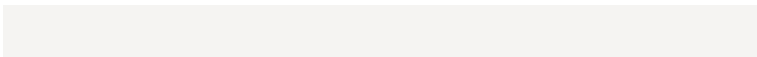
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6782, 90.7050, 97.4423



86.3837, 90.7050, 96.9593



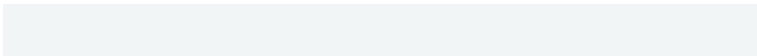
86.0440, 90.7050, 96.9572

# Triad

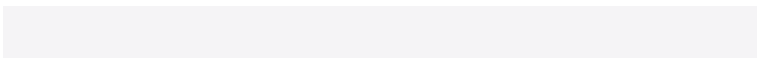
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3837, 90.7050, 96.9593



85.5798, 90.7050, 99.2455



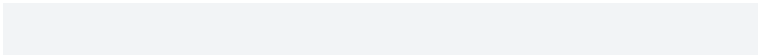
86.6762, 90.7050, 100.1000

# Complementary

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



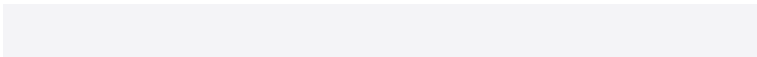
86.3837, 90.7050, 96.9593



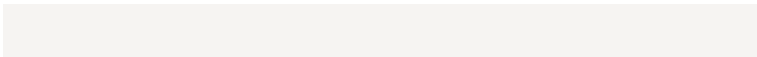
85.6031, 90.2311, 100.0945

# 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.



86.3809, 90.7050, 100.5897



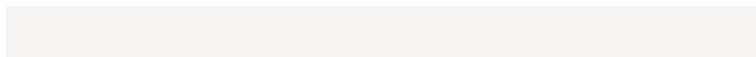
86.3837, 90.7050, 96.9593



85.7482, 90.7050, 100.0942

# Square

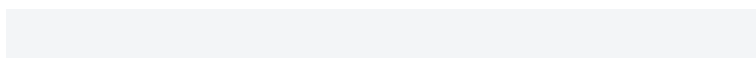
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



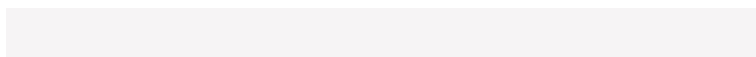
86.3837, 90.7050, 96.9593



85.5805, 90.7050, 98.2728



86.0413, 90.7050, 100.5876

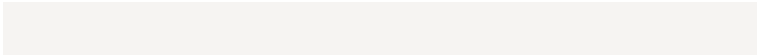


86.8474, 90.7050, 99.2535



# Rectangle

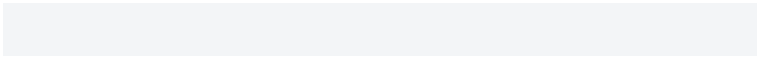
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



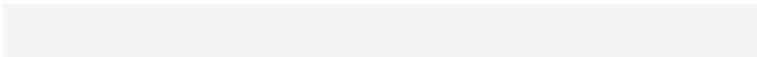
86.3837, 90.7050, 96.9593



85.8377, 90.7050, 97.2286



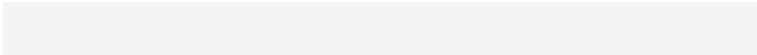
86.0413, 90.7050, 100.5876



86.5881, 90.7050, 100.3121

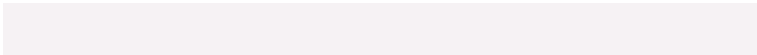
# Sweetspot

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



86.3863, 90.7089, 96.9613

95.0500, 100.0000, 108.9000



86.0885, 89.6301, 98.3522



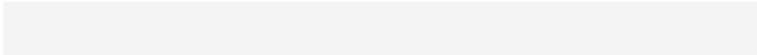
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



86.3863, 90.7089, 96.9613



93.4333, 98.0631, 104.3639



86.9900, 91.9164, 97.1625



18.3292, 19.2399, 20.5017



24.2249, 18.3353, 2.2623

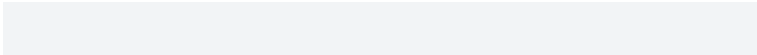


2.2319, 1.8170, 0.2331



# Inverse Universe

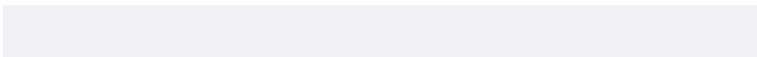
The Inverse Universe completely reimagines the original color for something new.



85.6031, 90.2311, 100.0945



92.3887, 97.4258, 108.5434



85.0059, 89.0367, 99.8954



18.1352, 19.1216, 21.2776



12.7821, 11.3580, 48.0566

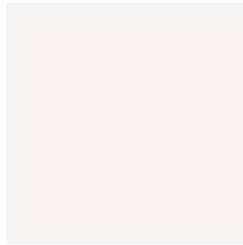


1.2262, 1.2037, 4.2580



# Previews

## White Background



This preview shows how the XYZ color 86.3837, 90.7050, 96.9593 looks on a white background.

## Color Contrast Check

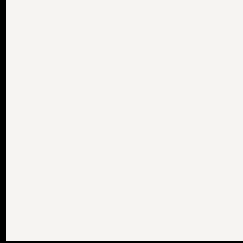
Large Text (above 18pt) WCAG AA × Fail

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 86.3837, 90.7050, 96.9593 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](#).

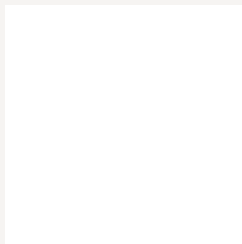


# XYZ 86.3837, 90.7050, 96.9593

## Background



This preview shows how black text looks on a background with the XYZ color 86.3837, 90.7050, 96.9593.



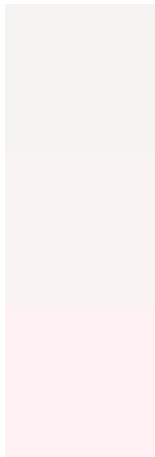
This preview shows how white text looks on a background with the XYZ color 86.3837, 90.7050,



# 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

86.3837, 90.7050, 96.9593

### Protanopia

86.9947, 90.5918, 96.1199

### Deuteranopia

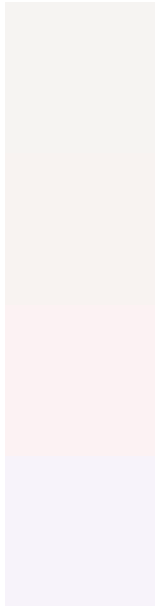
89.0244, 90.7022, 98.4031



## Tritanopia

88.1599, 90.4984, 107.4292

# Trichromacy



## Original Color

86.3837, 90.7050, 96.9593

## Protanomaly

86.6392, 90.4085, 96.1033

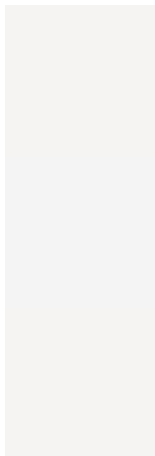
## Deuteranomaly

88.0747, 90.6708, 97.6532

## Tritanomaly

87.6637, 90.7775, 103.3439

# Monochromacy



## Original Color

86.3837, 90.7050, 96.9593

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

86.1845, 90.5849, 97.7362

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.3837, 90.7050, 96.9593 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(246, 244, 242) looks like.

```
.text, #text, p{  
    color:rgb(246, 244, 242)  
}
```

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(246, 244, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 244, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 86.3837, 90.7050, 96.9593 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(246, 244, 242) }
```

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

```
.border{ border-color:rgb(246, 244, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 244, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 244, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 244, 242);  
box-shadow:4px 4px 4px 4px rgb(246, 244,  
242) }
```



# Background

The CSS property to change the background color of an element to XYZ 86.3837, 90.7050, 96.9593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 244, 242) }
```

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

```
.background{ background-color: rgb(246,  
244, 242) }
```

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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