

# Converting Colors

XYZ(86.7759, 89.8472, 96.6246)

Have a look what the booklet for  
XYZ(86.7759, 89.8472, 96.6246)  
contains.

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# Color

**XYZ(86.8461, 90.0548,  
96.8094)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9F2F2
RGB	249, 242, 242
RGB Percent	98%, 95%, 95%
CMY	0.0235, 0.0510, 0.0510
CMYK	0.00, 0.03, 0.03, 0.02
HSL	0°, 37%, 96%
HSV	0°, 3%, 98%
XYZ	86.8461, 90.0548, 96.8094
YIQ	244.0930, 4.1720, 1.4840

# Conversions

## Conversions Part 2

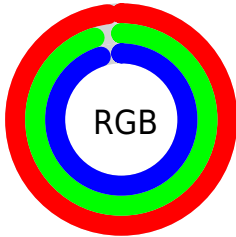
Format	Color
<b>R<sub>YB</sub></b>	249, 242, 242
Decimal	16380658
CIE <sub>Lab</sub>	96.02, 2.34, 0.82
CIE <sub>LCh</sub>	96, 2.482, 19.314
Yxy	90.0548, 0.3173, 0.3290
Android (android.graphics.Color)	4294570738 (0xFFFF9F2F2)
YUV	244.0930, -1.0318, 5.3034
Hunter-Lab	94.8972, -2.7141, 5.9433

# Details

The XYZ color **86.8461, 90.0548, 96.8094** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.5925, 93.4670, 103.0482**, and the grayscale version is **86.0714, 90.5538, 98.6131**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4142, 50.0004, 53.5537** is the 20% darker color. If you saturate the color by 10%, you get **76.4491, 74.8430, 76.1317**, and if you desaturate by 10%, it is **92.8775, 98.8800, 108.7983**.

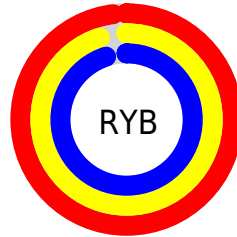
# Distribution



Red (98%)

Green (95%)

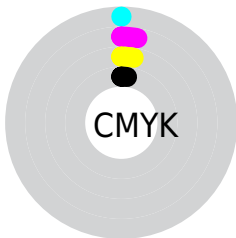
Blue (95%)



Red (98%)

Yellow (95%)

Blue (95%)

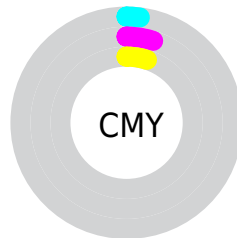


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (2%)



Cyan (2%)

Magenta (5%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.8461, 90.0548, 96.8094 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 86.8461, 90.0548, 96.8094 by changing the saturation by 10% instead.



86.8461, 90.0548,  
96.8094

86.8461, 90.0548,  
96.8094

506.1092,  
528.2091, 571.0731

65.6955, 68.0261,  
73.0367

141.8504,  
147.4145, 158.7790

48.2920, 49.9190,  
53.5139

176.4347,  
183.5143, 197.8130

34.2704, 35.3490,  
37.8227

216.2277,  
225.0733, 242.7711

23.2653, 23.9318,  
25.5443

261.5946,  
272.4757, 294.0720

14.9113, 15.2831,  
16.2604

312.9009,  
326.1062, 352.1340

8.8431, 9.0183,  
9.5522

370.5118,

4.6952, 4.7531,

386.3490, 417.3759

5.0014

434.7928,  
453.5885, 490.2161

■ 2.1025, 2.1031,  
2.1893

■ 0.6906, 0.6664,  
0.6682

■ 86.8461, 90.0548,  
96.8094

■ 86.8461, 90.0548,  
96.8094

■ 76.4491, 74.8430,  
76.1317

■ 92.8775, 98.8800,  
108.7983

■ 67.5057, 61.7576,  
58.3487

■ 59.9534, 50.7072,  
43.3329

■ 53.7225, 41.5898,  
30.9455

■ 48.7370, 34.2944,  
21.0352

■ 44.9133, 28.6986,  
13.4356

■ 42.1574, 24.6650,  
7.9599

■ 40.3610, 22.0353,  
4.3923

■ 39.3928, 20.6173,  
2.4713

# Harmonies

## Analogous

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



86.8980, 90.0548, 98.7570



86.8461, 90.0548, 96.8094



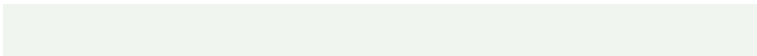
86.4578, 90.0548, 95.2157

# Triad

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



86.8461, 90.0548, 96.8094



84.5974, 90.0548, 95.6106



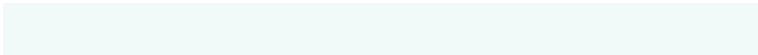
85.3499, 90.0548, 101.8161

# Complementary

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



86.8461, 90.0548, 96.8094



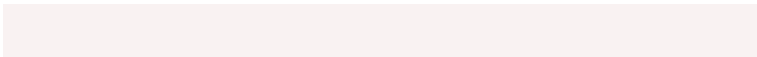
87.5925, 93.4670, 103.0482

# Split Complementary

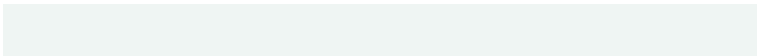
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7368, 90.0548, 100.9489



86.8461, 90.0548, 96.8094



84.3039, 90.0548, 97.3551

# Square

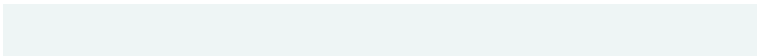
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8461, 90.0548, 96.8094



85.1586, 90.0548, 94.5300



84.3548, 90.0548, 99.3100

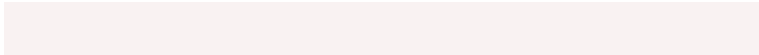


86.0317, 90.0548, 101.6653

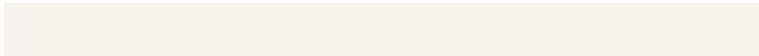


# Rectangle

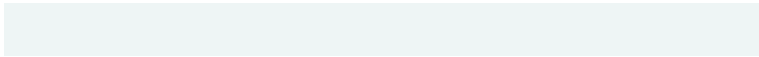
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8461, 90.0548, 96.8094



86.0615, 90.0548, 94.5602



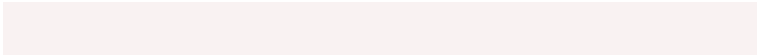
84.3548, 90.0548, 99.3100



85.1290, 90.0548, 101.6336

# Sweetspot

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



86.8486, 90.0587, 96.8114



93.8345, 98.2216, 106.4828



87.9193, 90.4849, 102.4554



20.0972, 21.0422, 22.8172



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

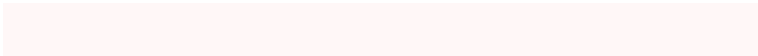


# Same Dimension

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



86.8486, 90.0587, 96.8114



91.4519, 94.7357, 101.7449



87.8991, 92.1597, 97.1615



18.5485, 19.1332, 20.4695



20.9132, 10.7830, 0.9791



1.9372, 0.9993, 0.0908



# Inverse Universe

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



87.5925, 93.4670, 103.0482



92.2899, 98.5749, 108.7704



86.5220, 91.3260, 102.6913



18.7645, 20.1228, 22.2804



27.2615, 39.8785, 54.2340

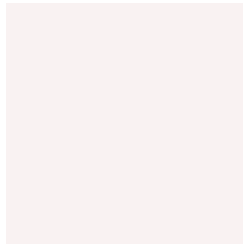


2.5252, 3.6940, 5.0231



# Previews

## White Background



This preview shows how the XYZ color 86.8461, 90.0548, 96.8094 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

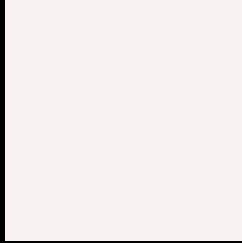
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.8461, 90.0548, 96.8094 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

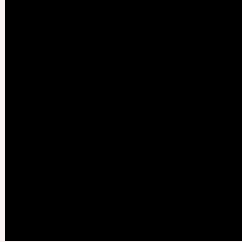
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

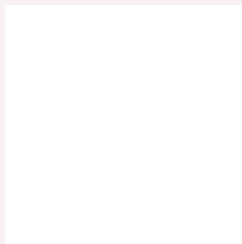
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 86.8461, 90.0548, 96.8094

## Background



This preview shows how black text looks on a background with the XYZ color 86.8461, 90.0548, 96.8094.



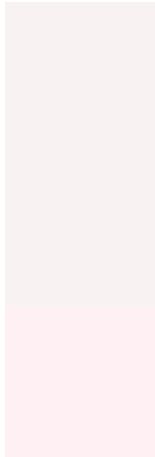
This preview shows how white text looks on a background with the XYZ color 86.8461, 90.0548,



# 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

86.8461, 90.0548, 96.8094

### Protanopia

86.4905, 89.8715, 96.7928

### Deuteranopia

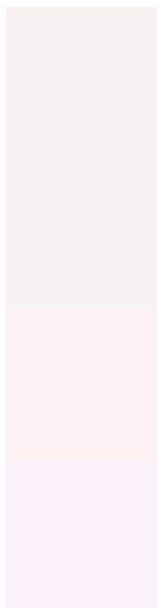
88.5778, 90.0512, 97.5071



## Tritanopia

88.6344, 89.8642, 107.2817

# Trichromacy



## Original Color

86.8461, 90.0548, 96.8094

## Protanomaly

86.4905, 89.8715, 96.7928

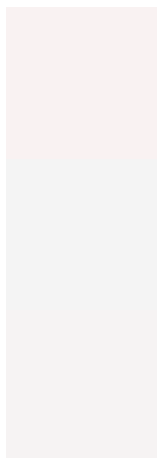
## Deuteranomaly

88.1410, 90.2643, 97.5712

## Tritanomaly

88.1350, 90.1367, 103.1954

# Monochromacy



## Original Color

86.8461, 90.0548, 96.8094

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

86.2343, 90.1651, 97.6526

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.8461, 90.0548, 96.8094 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(249, 242, 242) looks like.

```
.text, #text, p{  
    color:rgb(249, 242, 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(249, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 242, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 86.8461, 90.0548, 96.8094 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(249, 242, 242) }
```



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

```
.border{ border-color:rgb(249, 242, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 242, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(249, 242,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.8461, 90.0548, 96.8094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 242, 242) }
```

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

```
.background{ background-color: rgb(249,  
242, 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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