

# Converting Colors

XYZ(86.9118, 90.0795, 91.6682)

Have a look what the booklet for  
XYZ(86.9118, 90.0795, 91.6682)  
contains.

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# **Color**

**XYZ(86.8924, 90.1979,  
91.4275)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCF2EB
RGB	252, 242, 235
RGB Percent	99%, 95%, 92%
CMY	0.0118, 0.0510, 0.0784
CMYK	0.00, 0.04, 0.07, 0.01
HSL	25°, 74%, 95%
HSV	25°, 7%, 99%
XYZ	86.8924, 90.1979, 91.4275
YIQ	244.1920, 8.2070, -0.0570

# Conversions

## Conversions Part 2

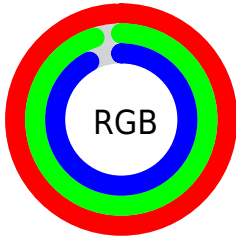
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 247, 235
Decimal	16577259
CIE Lab	96.08, 2.17, 4.56
CIE LCh	96, 5.047, 64.498
Yxy	90.1979, 0.3236, 0.3359
Android (android.graphics.Color)	4294767339 (0xFFFCF2EB)
YUV	244.1920, -4.5317, 6.8476
Hunter-Lab	94.9726, -2.8886, 9.4039

# Details

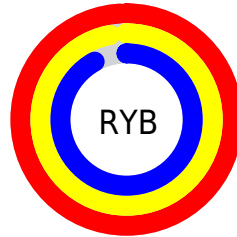
The XYZ color **86.8924, 90.1979, 91.4275** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.4838, 89.9937, 105.0142**, and the grayscale version is **86.1754, 90.6633, 98.7323**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2013, 49.9746, 49.7534** is the 20% darker color. If you saturate the color by 10%, you get **79.2744, 80.3807, 72.1801**, and if you desaturate by 10%, it is **93.9553, 99.4357, 108.8488**.

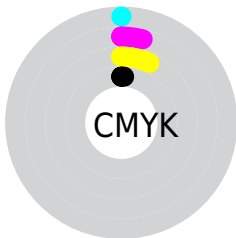
# Distribution



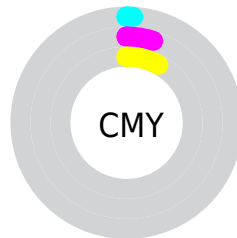
- Red (99%)
- Green (95%)
- Blue (92%)



- Red (99%)
- Yellow (97%)
- Blue (92%)



- Cyan (0%)
- Magenta (4%)
- Yellow (7%)
- Black (1%)




- Cyan (1%)
- Magenta (5%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.8924, 90.1979, 91.4275 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 86.8924, 90.1979, 91.4275 by changing the saturation by 10% instead.




 86.8924, 90.1979,  
91.4275

 86.8924, 90.1979,  
91.4275


506.2591,  
528.6744, 553.3531

 65.7339, 68.1448,  
68.5848


141.9146,  
147.6133, 151.2725

 48.3233, 50.0155,  
49.9040


176.5090,  
183.7443, 189.1119

 34.2953, 35.4257,  
34.9665


216.3127,  
225.3368, 232.7873

 23.2845, 23.9910,  
23.3537

261.6912,  
272.7751, 282.7172

 14.9256, 15.3270,  
14.6472

313.0097,  
326.4436, 339.3202

 8.8532, 9.0492,  
8.4283

370.6336,

 4.7019, 4.7733,

386.7267, 403.0148

4.2785

434.9283,  
454.0089, 474.2196

■ 2.1064, 2.1149,  
1.7793

■ 0.6927, 0.6730,  
0.4143

■ 86.8924, 90.1979,  
91.4275

■ 86.8924, 90.1979,  
91.4275

■ 79.2744, 80.3807,  
72.1801

93.9553, 99.4357,  
108.8488

■ 72.4970, 71.4551,  
55.6499

■ 66.5309, 63.3982,  
41.7143

■ 61.3422, 56.1820,  
30.2391

■ 56.8940, 49.7764,  
21.0775

■ 53.1463, 44.1497,  
14.0673

■ 50.0544, 39.2673,  
9.0248

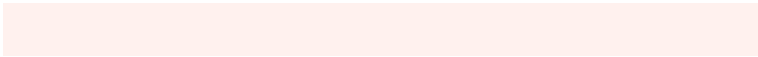
■ 47.5671, 35.0911,  
5.7346

■ 45.6222, 31.5775,  
3.9260

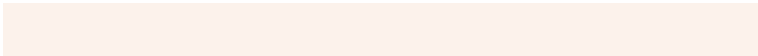
# Harmonies

## Analogous

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



87.9638, 90.1979, 93.9162



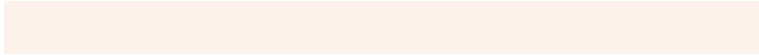
86.8924, 90.1979, 91.4275



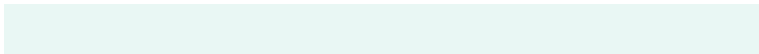
85.5199, 90.1979, 90.7371

# Triad

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



86.8924, 90.1979, 91.4275



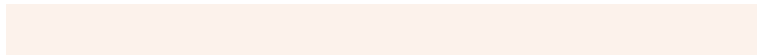
83.0797, 90.1979, 98.8149



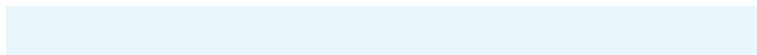
87.2612, 90.1979, 104.6893

# Complementary

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



86.8924, 90.1979, 91.4275



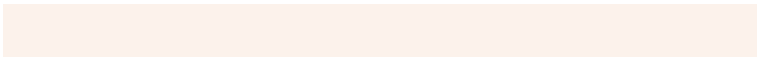
84.4838, 89.9937, 105.0142

# Split Complementary

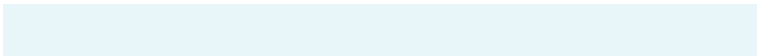
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9413, 90.1979, 106.0828



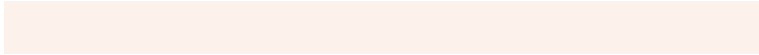
86.8924, 90.1979, 91.4275



83.5351, 90.1979, 102.6331

# Square

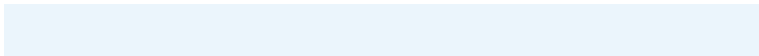
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



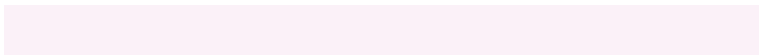
86.8924, 90.1979, 91.4275



83.3282, 90.1979, 94.9343



84.5788, 90.1979, 105.3203

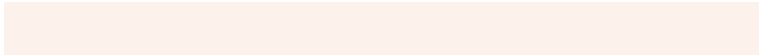


88.1784, 90.1979, 101.5605

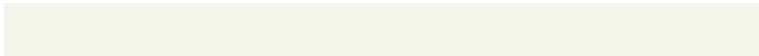


# Rectangle

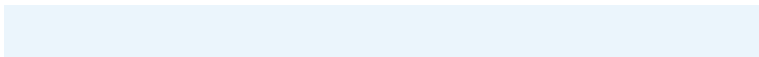
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8924, 90.1979, 91.4275



84.6211, 90.1979, 91.3732



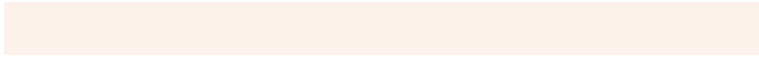
84.5788, 90.1979, 105.3203



86.8493, 90.1979, 105.3800

# Sweetspot

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



86.8949, 90.2018, 91.4294



93.2905, 97.7775, 104.3163



86.3663, 86.7182, 98.7338



19.9865, 20.9518, 22.3760



0.0000, 0.0000, 0.0000

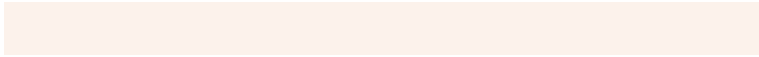


20.3446, 21.4041, 23.3091

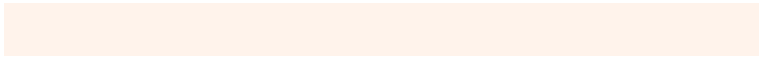


# Same Dimension

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



86.8949, 90.2018, 91.4294



88.2299, 91.3396, 91.2747



89.4202, 95.2525, 92.2712



17.8320, 18.3999, 18.0741



23.6187, 16.1940, 1.8809

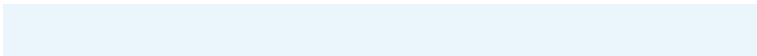


2.2891, 1.7030, 0.2081

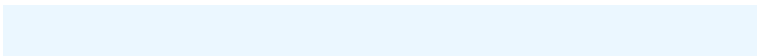


# Inverse Universe

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



84.4838, 89.9937, 105.0142



85.3159, 91.0879, 107.6928



82.0303, 85.0866, 104.1963



17.1312, 18.3393, 22.0222



14.8316, 15.0188, 50.0908

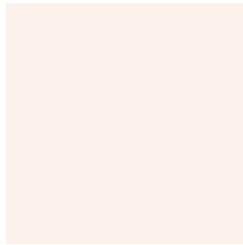


1.4781, 1.5998, 4.6741



# Previews

## White Background



This preview shows how the XYZ color 86.8924, 90.1979, 91.4275 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

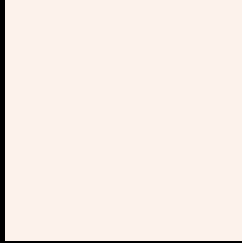
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.8924, 90.1979, 91.4275 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

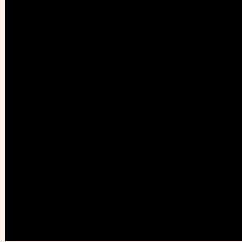
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 86.8924, 90.1979, 91.4275

## Background



This preview shows how black text looks on a background with the XYZ color 86.8924, 90.1979, 91.4275.



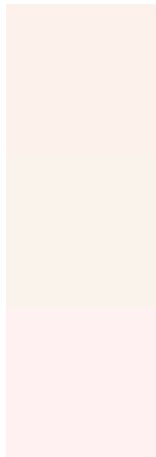
This preview shows how white text looks on a background with the XYZ color 86.8924, 90.1979,

91.475.

# 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

86.8924, 90.1979, 91.4275

### Protanopia

86.4703, 90.4233, 91.4932

### Deuteranopia

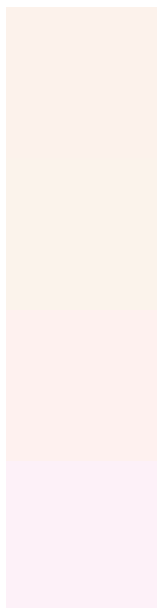
88.2773, 89.9311, 95.9248



## Tritanopia

89.7181, 90.4228, 107.3324

# Trichromacy



## Original Color

86.8924, 90.1979, 91.4275

## Protanomaly

86.8296, 90.6086, 91.5101

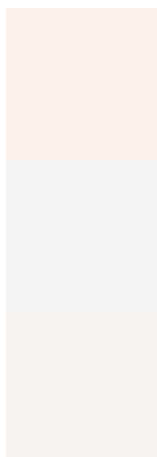
## Deuteranomaly

87.9083, 90.2134, 94.4410

## Tritanomaly

88.9066, 90.5706, 101.6029

# Monochromacy



## Original Color

86.8924, 90.1979, 91.4275

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

86.2855, 90.2262, 96.0868

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.8924, 90.1979, 91.4275 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(252, 242, 235)` looks like.

```
.text, #text, p{  
    color:rgb(252, 242, 235)  
}
```

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(252, 242, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 242, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 86.8924, 90.1979, 91.4275 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(252, 242, 235) }
```



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

```
.border{ border-color:rgb(252, 242, 235) }
```

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

Here you see how a box with a 4 pixel rgb(252, 242, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 242, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 242, 235);  
box-shadow:4px 4px 4px 4px rgb(252, 242,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.8924, 90.1979, 91.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 242, 235) }
```

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

```
.background{ background-color: rgb(252,  
242, 235) }
```

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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