

# Converting Colors

XYZ(87.7985, 90.1137, 97.1226)

Have a look what the booklet for  
XYZ(87.7985, 90.1137, 97.1226)  
contains.

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# Color

**XYZ(87.6272, 90.0168,  
96.7609)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCF1F2
RGB	252, 241, 242
RGB Percent	99%, 95%, 95%
CMY	0.0118, 0.0549, 0.0510
CMYK	0.00, 0.04, 0.04, 0.01
HSL	355°, 65%, 97%
HSV	355°, 4%, 99%
XYZ	87.6272, 90.0168, 96.7609
YIQ	244.4030, 6.2350, 2.6430

# Conversions

## Conversions Part 2

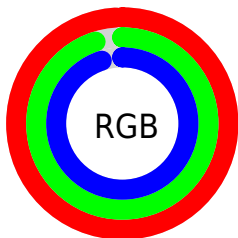
Format	Color
R <sub>Y</sub> B	252, 241, 242
Decimal	16577010
CIE Lab	96.00, 3.86, 0.83
CIE LCh	96, 3.948, 12.075
Yxy	90.0168, 0.3193, 0.3280
Android (android.graphics.Color)	4294767090 (0xFFFCF1F2)
YUV	244.4030, -1.1847, 6.6626
Hunter-Lab	94.8772, -1.1750, 5.9469

# Details

The XYZ color **87.6272, 90.0168, 96.7609** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.5020, 95.2890, 104.9996**, and the grayscale version is **86.3196, 90.8150, 98.8975**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7176, 49.8452, 53.5078** is the 20% darker color. If you saturate the color by 10%, you get **77.4488, 74.8269, 77.4366**, and if you desaturate by 10%, it is **93.9554, 99.4357, 108.8488**.

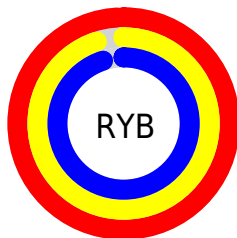
# Distribution



Red (99%)

Green (95%)

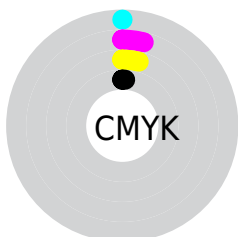
Blue (95%)



Red (99%)

Yellow (95%)

Blue (95%)

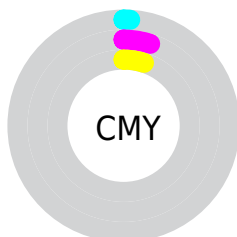


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (1%)



Cyan (1%)

Magenta (5%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.6272, 90.0168, 96.7609 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 87.6272, 90.0168, 96.7609 by changing the saturation by 10% instead.



87.6272, 90.0168,  
96.7609

87.6272, 90.0168,  
96.7609

508.6353,  
528.0855, 570.9148

66.3441, 67.9946,  
72.9965

142.9332,  
147.3617, 158.7116

48.8206, 49.8933,  
53.4813

177.6869,  
183.4532, 197.7349

34.6911, 35.3286,  
37.7968

217.6614,  
225.0033, 242.6816

23.5904, 23.9161,  
25.5244

263.2223,  
272.3963, 293.9702

15.1532, 15.2714,  
16.2456

314.7347,  
326.0166, 352.0193

9.0140, 9.0101,  
9.5419

372.5641,

4.8075, 4.7478,

386.2486, 417.2474

4.9947

437.0759,  
453.4768, 490.0731

■ 2.1683, 2.1000,  
2.1855

■ 0.7260, 0.6647,  
0.6660

■ 87.6272, 90.0168,  
96.7609

■ 87.6272, 90.0168,  
96.7609

■ 77.4488, 74.8269,  
77.4366

■ 93.9554, 99.4357,  
108.8488

■ 68.6730, 61.7786,  
60.6284

■ 61.2406, 50.7792,  
46.2345

■ 55.0852, 41.7246,  
34.1438

■ 50.1344, 34.5014,  
24.2367

■ 46.3090, 28.9847,  
16.3824

■ 43.5200, 25.0339,  
10.4365

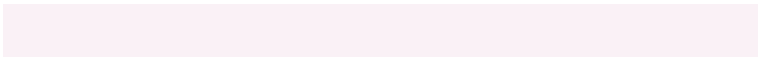
■ 41.6649, 22.4857,  
6.2354

■ 40.6197, 21.1411,  
3.5880

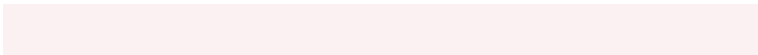
# Harmonies

## Analogous

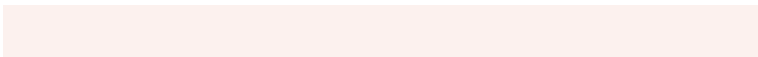
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5709, 90.0168, 99.8747



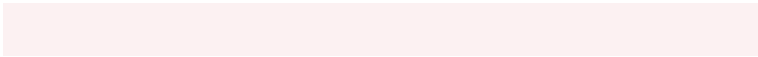
87.6272, 90.0168, 96.7609



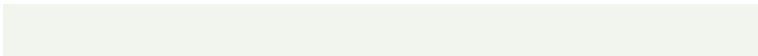
87.1257, 90.0168, 94.0399

# Triad

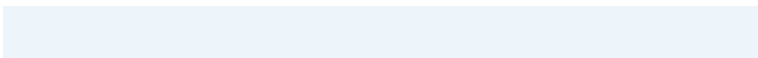
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6272, 90.0168, 96.7609



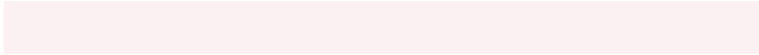
84.1595, 90.0168, 93.6185



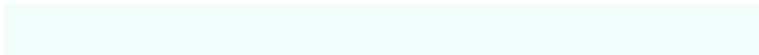
84.9139, 90.0168, 103.8443

# Complementary

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



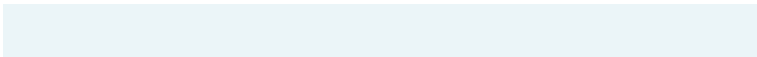
87.6272, 90.0168, 96.7609



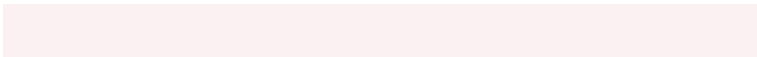
88.5020, 95.2890, 104.9996

# Split Complementary

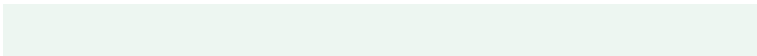
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0097, 90.0168, 102.0965



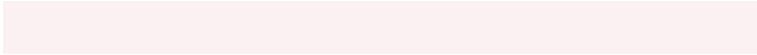
87.6272, 90.0168, 96.7609



83.5767, 90.0168, 96.1745

# Square

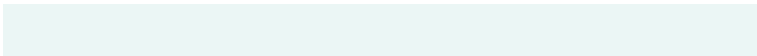
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.6272, 90.0168, 96.7609



85.1199, 90.0168, 92.2516



83.5222, 90.0168, 99.2758

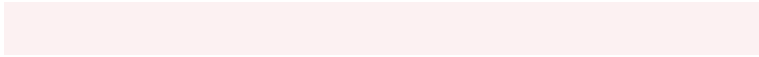


85.9981, 90.0168, 104.0094

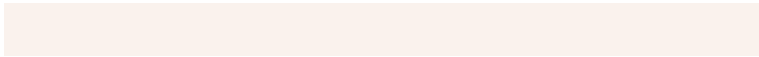


# Rectangle

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



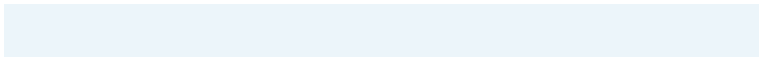
87.6272, 90.0168, 96.7609



86.5450, 90.0168, 92.7972



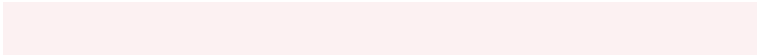
83.5222, 90.0168, 99.2758



84.5791, 90.0168, 103.4207

# Sweetspot

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



87.6297, 90.0207, 96.7628



93.8707, 98.2353, 106.6760



88.7763, 90.4335, 104.8731



20.1046, 21.0450, 22.8565



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

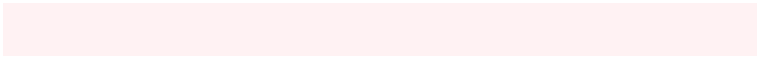


# Same Dimension

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



87.6297, 90.0207, 96.7628



89.3054, 91.4087, 98.0515



88.7983, 92.5966, 96.4164



18.1422, 18.4958, 19.7945



21.0138, 10.8212, 1.5151

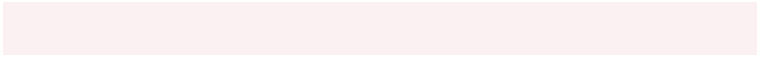


1.9672, 1.0106, 0.2505

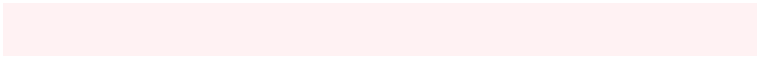


# Inverse Universe

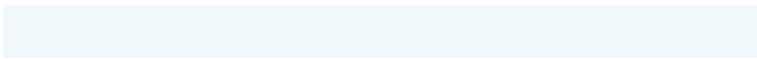
The Inverse Universe completely reimagines the original color for something new.



87.6297, 90.0207, 96.7628



89.3054, 91.4087, 98.0515



87.2941, 92.6213, 105.3736



18.1422, 18.4958, 19.7945



21.0138, 10.8212, 1.5151

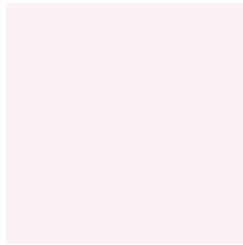


1.9672, 1.0106, 0.2505



# Previews

## White Background



This preview shows how the XYZ color 87.6272, 90.0168, 96.7609 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

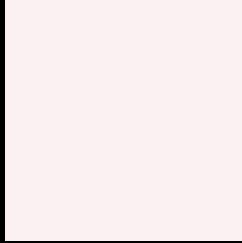
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.6272, 90.0168, 96.7609 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

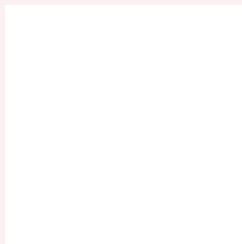
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 87.6272, 90.0168, 96.7609**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.6272, 90.0168, 96.7609.



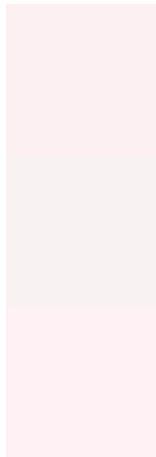
This preview shows how white text looks on a background with the XYZ color 87.6272, 90.0168,

96.7609.

# 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

87.6272, 90.0168, 96.7609

### Protanopia

86.6412, 89.9318, 97.5861

### Deuteranopia

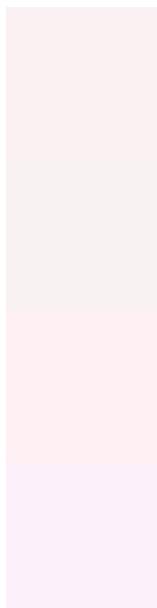
88.5778, 90.0512, 97.5071



## Tritanopia

89.3550, 90.2356, 107.3154

# Trichromacy



## Original Color

87.6272, 90.0168, 96.7609

## Protanomaly

86.9967, 90.1151, 97.6027

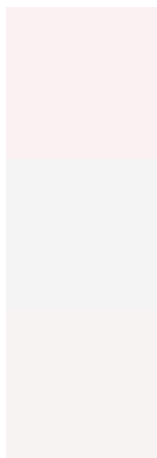
## Deuteranomaly

88.2108, 89.8621, 97.4899

## Tritanomaly

88.5603, 89.9178, 103.1307

# Monochromacy



## Original Color

87.6272, 90.0168, 96.7609

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

86.5860, 90.3464, 97.6690

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.6272, 90.0168, 96.7609 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, 241, 242) looks like.

```
.text, #text, p{  
    color:rgb(252, 241, 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(252, 241, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 241, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 87.6272, 90.0168, 96.7609 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, 241, 242) }
```



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

```
.border{ border-color:rgb(252, 241, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 241, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 241, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 241, 242);  
box-shadow:4px 4px 4px 4px rgb(252, 241,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.6272, 90.0168, 96.7609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 241, 242) }
```

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

```
.background{ background-color: rgb(252,  
241, 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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