

# Converting Colors

XYZ(86.9916, 89.4886, 95.8099)

Have a look what the booklet for  
XYZ(86.9916, 89.4886, 95.8099)  
contains.

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# Color

**XYZ(87.1161, 89.7707,  
95.9551)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBF1F1
RGB	251, 241, 241
RGB Percent	98%, 95%, 95%
CMY	0.0157, 0.0549, 0.0549
CMYK	0.00, 0.04, 0.04, 0.02
HSL	0°, 56%, 96%
HSV	0°, 4%, 98%
XYZ	87.1161, 89.7707, 95.9551
YIQ	243.9900, 5.9600, 2.1200

# Conversions

## Conversions Part 2

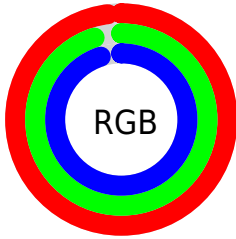
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 241, 241
Decimal	16511473
CIE Lab	95.90, 3.35, 1.18
CIE LCh	96, 3.556, 19.464
Yxy	89.7707, 0.3193, 0.3290
Android (android.graphics.Color)	4294701553 (0xFFFBF1F1)
YUV	243.9900, -1.4741, 6.1478
Hunter-Lab	94.7474, -1.6850, 6.2774

# Details

The XYZ color **87.1161, 89.7707, 95.9551** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.1852, 94.6586, 104.8909**, and the grayscale version is **85.9913, 90.4696, 98.5214**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3541, 49.6700, 52.9377** is the 20% darker color. If you saturate the color by 10%, you get **76.7006, 74.5313, 75.2425**, and if you desaturate by 10%, it is **93.5941, 99.2495, 108.8319**.

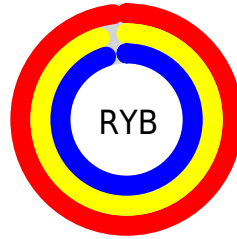
# Distribution



Red (98%)

Green (95%)

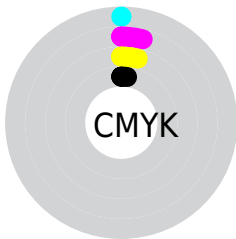
Blue (95%)



Red (98%)

Yellow (95%)

Blue (95%)

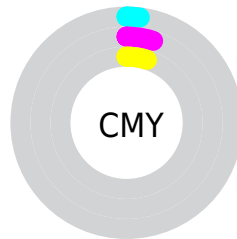


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (2%)



Cyan (2%)

Magenta (5%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1161, 89.7707, 95.9551 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 87.1161, 89.7707, 95.9551 by changing the saturation by 10% instead.



 87.1161, 89.7707,  
95.9551

 87.1161, 89.7707,  
95.9551


506.9831,  
527.2847, 568.2804

 65.9196, 67.7905,  
72.3289


142.2248,  
147.0198, 157.5904

 48.4746, 49.7273,  
52.9389


176.8677,  
183.0576, 196.4365

 34.4157, 35.1968,  
37.3666


216.7235,  
224.5499, 241.1930

 23.3776, 23.8145,  
25.1935

262.1576,  
271.8812, 292.2785

 14.9948, 15.1961,  
16.0009

313.5352,  
325.4360, 350.1114

 8.9020, 8.9571,  
9.3704

371.2218,

 4.7339, 4.7132,

385.5986, 415.1103

4.8835

435.5826,  
452.7533, 487.6938

■ 2.1251, 2.0800,  
2.1215

■ 0.7028, 0.6533,  
0.6285

■ 87.1161, 89.7707,  
95.9551

■ 87.1161, 89.7707,  
95.9551

■ 76.7006, 74.5313,  
75.2425

■ 93.5941, 99.2495,  
108.8319

■ 67.7594, 61.4486,  
57.4652

■ 60.2283, 50.4289,  
42.4923

■ 54.0353, 41.3669,  
30.1807

■ 49.1022, 34.1482,  
20.3745

■ 45.3426, 28.6463,  
12.9021

■ 42.6592, 24.7190,  
7.5697

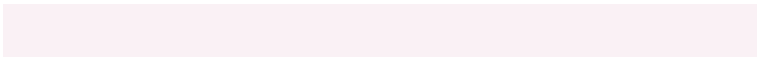
■ 40.9392, 22.2013,  
4.1530

■ 40.0447, 20.8916,  
2.3776

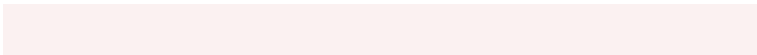
# Harmonies

## Analogous

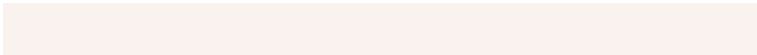
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1932, 89.7707, 98.7366



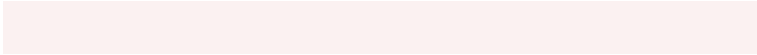
87.1161, 89.7707, 95.9551



86.5568, 89.7707, 93.6947

# Triad

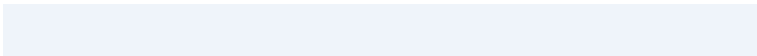
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1161, 89.7707, 95.9551



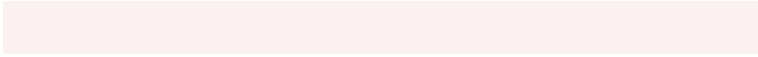
83.8981, 89.7707, 94.2742



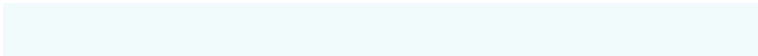
84.9797, 89.7707, 103.1556

# Complementary

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



87.1161, 89.7707, 95.9551



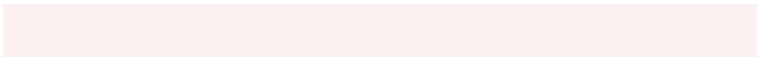
88.1852, 94.6586, 104.8909

# Split Complementary

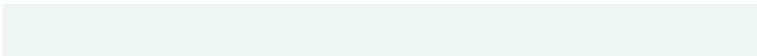
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1037, 89.7707, 101.9105



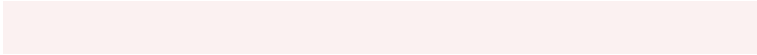
87.1161, 89.7707, 95.9551



83.4824, 89.7707, 96.7601

# Square

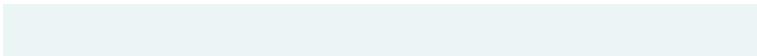
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1161, 89.7707, 95.9551



84.6971, 89.7707, 92.7372



83.5574, 89.7707, 99.5571

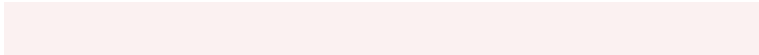


85.9547, 89.7707, 102.9300

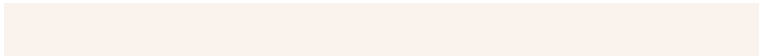


# Rectangle

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



87.1161, 89.7707, 95.9551



85.9881, 89.7707, 92.7706



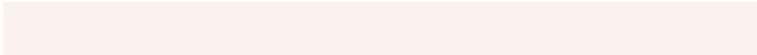
83.5574, 89.7707, 99.5571



84.6641, 89.7707, 102.8942

# Sweetspot

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



87.1186, 89.7746, 95.9570



93.8343, 98.2213, 106.4828



88.6527, 90.3862, 104.0416



20.0972, 21.0421, 22.8172



0.0000, 0.0000, 0.0000

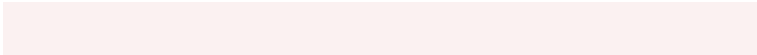


20.3446, 21.4041, 23.3091

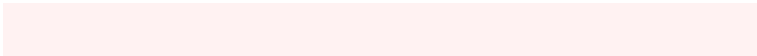


# Same Dimension

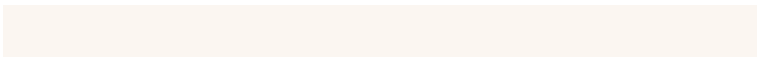
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1186, 89.7746, 95.9570



89.1328, 91.3423, 97.1344



88.6178, 92.7729, 96.4568



18.1023, 18.4804, 19.5826



20.9128, 10.7822, 0.9790

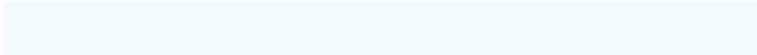


1.9371, 0.9990, 0.0907



# Inverse Universe

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



88.1852, 94.6586, 104.8909



90.5121, 97.6580, 108.6871



86.6452, 91.5786, 104.3776



18.4225, 19.9465, 22.2644



27.2686, 39.8927, 54.2364

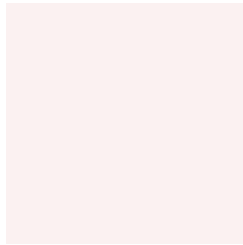


2.5257, 3.6952, 5.0233



# Previews

## White Background



This preview shows how the XYZ color 87.1161, 89.7707, 95.9551 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

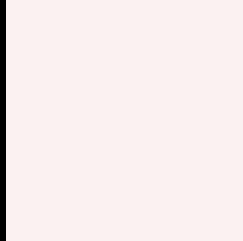
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.1161, 89.7707, 95.9551 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

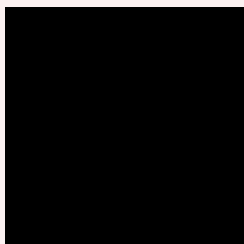
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

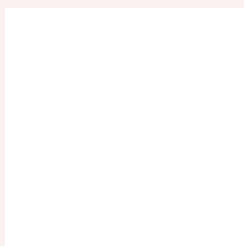
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 87.1161, 89.7707, 95.9551

## Background



This preview shows how black text looks on a background with the XYZ color 87.1161, 89.7707, 95.9551.



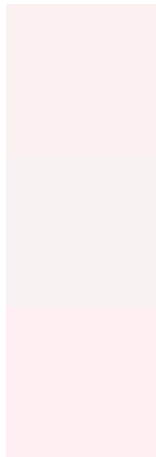
This preview shows how white text looks on a background with the XYZ color 87.1161, 89.7707,

95.9 51.

# 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

87.1161, 89.7707, 95.9551

### Protanopia

86.4905, 89.8715, 96.7928

### Deuteranopia

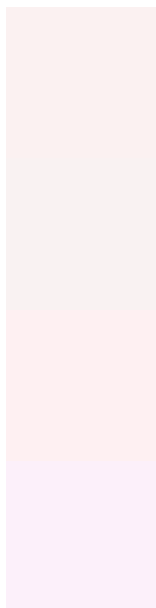
88.2842, 89.4641, 97.4092



## Tritanopia

89.0614, 89.6485, 107.2176

# Trichromacy



## Original Color

87.1161, 89.7707, 95.9551

## Protanomaly

86.8461, 90.0548, 96.8094

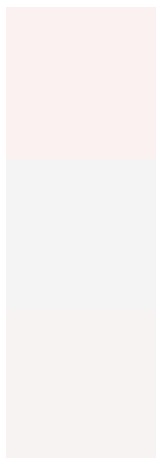
## Deuteranomaly

88.0602, 89.8018, 96.6966

## Tritanomaly

88.5603, 89.9178, 103.1307

# Monochromacy



## Original Color

87.1161, 89.7707, 95.9551

## 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 87.1161, 89.7707, 95.9551 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(251, 241, 241) looks like.

```
.text, #text, p{  
    color:rgb(251, 241, 241)  
}
```

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(251, 241, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 241, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 87.1161, 89.7707, 95.9551 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(251, 241, 241) }
```



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

```
.border{ border-color:rgb(251, 241, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 241, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 241, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 241, 241);  
box-shadow:4px 4px 4px 4px rgb(251, 241,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.1161, 89.7707, 95.9551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 241, 241) }
```

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

```
.background{ background-color: rgb(251,  
241, 241) }
```

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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