

# Converting Colors

XYZ(90.2052, 91.2378, 90.2178)

Have a look what the booklet for  
XYZ(90.2052, 91.2378, 90.2178)  
contains.

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# Color

**XYZ(87.1081, 89.4634,  
89.7679)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF0E9
RGB	255, 240, 233
RGB Percent	100%, 94%, 91%
CMY	0.0000, 0.0588, 0.0863
CMYK	0.00, 0.06, 0.09, 0.00
HSL	19°, 100%, 96%
HSV	19°, 9%, 100%
XYZ	87.1081, 89.4634, 89.7679
YIQ	243.6870, 11.1870, 1.0030

# Conversions

## Conversions Part 2

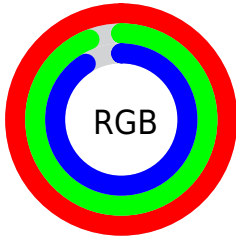
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 243, 233
Decimal	16773353
CIE <sub>Lab</sub>	95.77, 3.89, 5.18
CIE <sub>LCh</sub>	96, 6.476, 53.090
Yxy	89.4634, 0.3271, 0.3359
Android (android.graphics.Color)	4294963433 (0xFFFFF0E9)
YUV	243.6870, -5.2687, 9.9215
Hunter-Lab	94.5851, -1.1344, 9.9392

# Details

The XYZ color **87.1081, 89.4634, 89.7679** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.2209, 91.6760, 107.8114**, and the grayscale version is **85.7753, 90.2423, 98.2739**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3650, 49.4611, 48.5928** is the 20% darker color. If you saturate the color by 10%, you get **78.8517, 78.3650, 70.3237**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

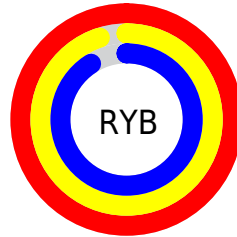
# Distribution



Red (100%)

Green (94%)

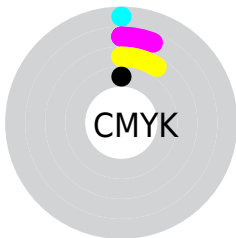
Blue (91%)



Red (100%)

Yellow (95%)

Blue (91%)

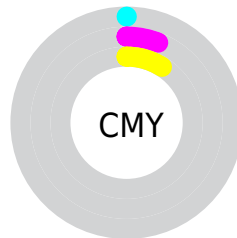


Cyan (0%)

Magenta (6%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (6%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1081, 89.4634, 89.7679 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 87.1081, 89.4634, 89.7679 by changing the saturation by 10% instead.




 87.1081, 89.4634,  
89.7679

 87.1081, 89.4634,  
89.7679


506.9572,  
526.2838, 547.8262

 65.9130, 67.5357,  
67.2155


142.2137,  
146.5928, 148.9487

 48.4692, 49.5201,  
48.7971


176.8549,  
182.5633, 186.4141

 34.4114, 35.0322,  
34.0941

216.7088,  
223.9835, 229.6877

 23.3742, 23.6877,  
22.6879

262.1409,  
271.2377, 279.1879

 14.9923, 15.1021,  
14.1601

313.5164,  
324.7105, 335.3333

 8.9003, 8.8911,  
8.0921

371.2007,

 4.7328, 4.6702,

384.7862, 398.5425

4.0653

435.5592,  
451.8491, 469.2339

■ 2.1245, 2.0551,  
1.6612

■ 0.7025, 0.6392,  
0.3340

■ 87.1081, 89.4634,  
89.7679

■ 87.1081, 89.4634,  
89.7679

■ 78.8517, 78.3650,  
70.3237

95.0500, 100.0000,  
108.9000

■ 71.5736, 68.4174,  
53.6905

■ 65.2376, 59.5858,  
39.7385

■ 59.8024, 51.8299,  
28.3256

■ 55.2238, 45.1065,  
19.2960

■ 51.4531, 39.3694,  
12.4769

■ 48.4365, 34.5686,  
7.6717

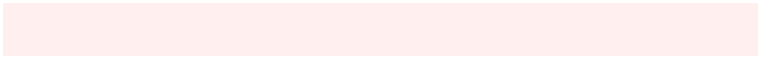
■ 46.1117, 30.6485,  
4.6479

■ 44.3970, 27.5434,  
3.0770

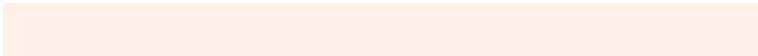
# Harmonies

## Analogous

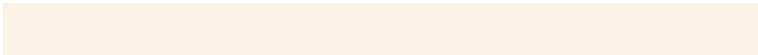
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2255, 89.4634, 93.6099



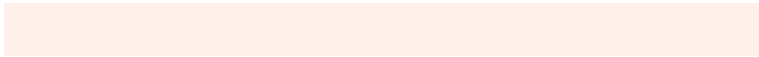
87.1081, 89.4634, 89.7679



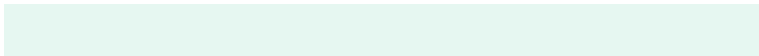
85.4455, 89.4634, 87.9837

# Triad

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



87.1081, 89.4634, 89.7679



81.6737, 89.4634, 96.2338



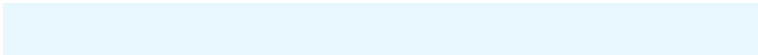
86.3841, 89.4634, 106.7255

# Complementary

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



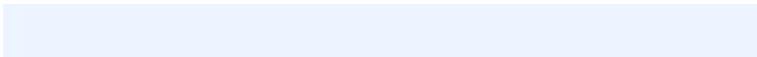
87.1081, 89.4634, 89.7679



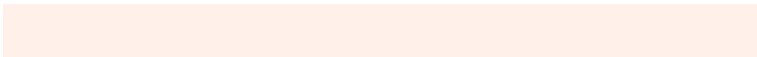
85.2209, 91.6760, 107.8114

# Split Complementary

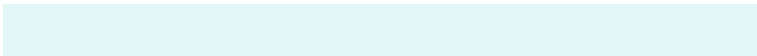
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6204, 89.4634, 107.4876



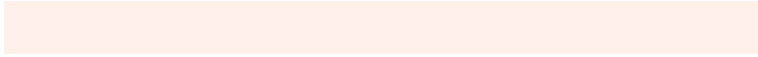
87.1081, 89.4634, 89.7679



81.9171, 89.4634, 101.3125

# Square

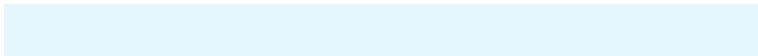
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



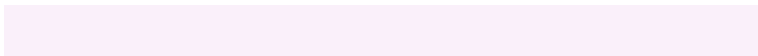
87.1081, 89.4634, 89.7679



82.3201, 89.4634, 91.6314



82.9897, 89.4634, 105.4749

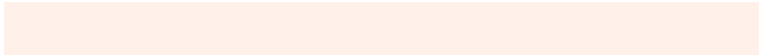


87.8034, 89.4634, 103.4275



# Rectangle

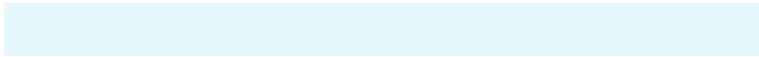
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1081, 89.4634, 89.7679



84.2581, 89.4634, 88.1556



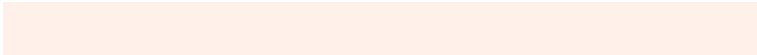
82.9897, 89.4634, 105.4749



85.8112, 89.4634, 107.2914

# Sweetspot

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



87.1101, 89.4671, 89.7698



92.2017, 96.2352, 101.9948



87.3280, 86.3182, 100.8929



19.5754, 20.3869, 21.4459



0.0000, 0.0000, 0.0000

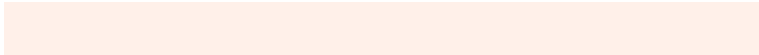


20.3446, 21.4041, 23.3091

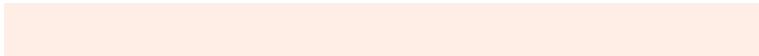


# Same Dimension

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



87.1101, 89.4671, 89.7698



85.9166, 87.8728, 86.9281



90.4351, 96.1170, 90.8781



18.4814, 18.9310, 18.8243



23.2119, 14.4351, 1.5629

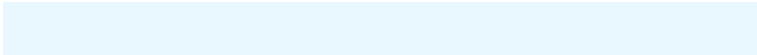


2.3536, 1.5925, 0.1833

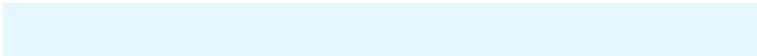


# Inverse Universe

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



85.2209, 91.6760, 107.8114



83.7472, 90.4089, 107.6445



81.9491, 85.1325, 106.7208



18.0385, 19.4487, 23.0532



17.4614, 19.8324, 52.3423

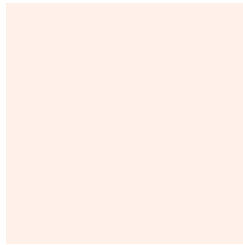


1.7987, 2.1281, 5.1292



# Previews

## White Background



This preview shows how the XYZ color 87.1081, 89.4634, 89.7679 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

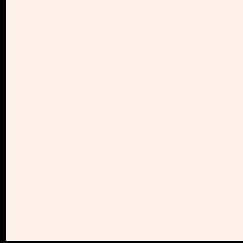
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.1081, 89.4634, 89.7679 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

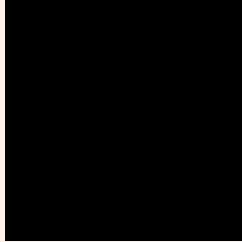
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

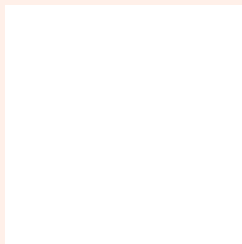
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 87.1081, 89.4634, 89.7679**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.1081, 89.4634, 89.7679.



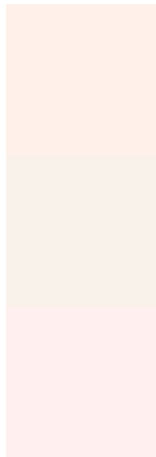
This preview shows how white text looks on a background with the XYZ color 87.1081, 89.4634,

89.7679.

# 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

87.1081, 89.4634, 89.7679

### Protanopia

85.6703, 89.5845, 90.6181

### Deuteranopia

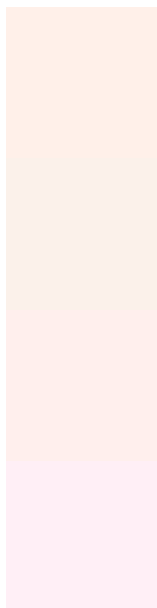
87.6865, 89.2250, 94.2619



## Tritanopia

89.5442, 89.5009, 105.4844

# Trichromacy



## Original Color

87.1081, 89.4634, 89.7679

## Protanomaly

86.0902, 89.3603, 90.5527

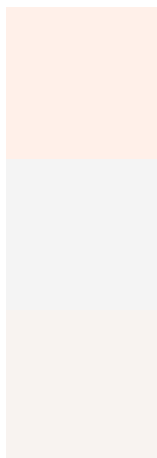
## Deuteranomaly

87.3926, 89.1074, 92.7141

## Tritanomaly

88.7411, 89.6468, 99.8152

# Monochromacy



## Original Color

87.1081, 89.4634, 89.7679

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

86.4902, 90.3489, 95.3186

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.1081, 89.4634, 89.7679 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(255, 240, 233) looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 233)  
}
```

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(255, 240, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 87.1081, 89.4634, 89.7679 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(255, 240, 233) }
```



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

```
.border{ border-color:rgb(255, 240, 233) }
```

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

Here you see how a box with a 4 pixel rgb(255, 240, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.1081, 89.4634, 89.7679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 233) }
```

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

```
.background{ background-color: rgb(255,  
240, 233) }
```

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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