

# Converting Colors

XYZ(86.9640, 88.8077, 90.8527)

Have a look what the booklet for  
XYZ(86.9640, 88.8077, 90.8527)  
contains.

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# Color

**XYZ(87.1019, 88.9912,  
91.1835)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEFEB
RGB	255, 239, 235
RGB Percent	100%, 94%, 92%
CMY	0.0000, 0.0627, 0.0784
CMYK	0.00, 0.06, 0.08, 0.00
HSL	12°, 100%, 96%
HSV	12°, 8%, 100%
XYZ	87.1019, 88.9912, 91.1835
YIQ	243.3280, 10.8200, 2.1480

# Conversions

## Conversions Part 2

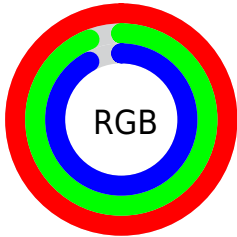
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 240, 235
Decimal	16773099
CIE Lab	95.58, 4.73, 3.86
CIE LCh	96, 6.101, 39.219
Yxy	88.9912, 0.3259, 0.3330
Android (android.graphics.Color)	4294963179 (0xFFFFEFEB)
YUV	243.3280, -4.1057, 10.2363
Hunter-Lab	94.3351, -0.2732, 8.7254

# Details

The XYZ color **87.1019, 88.9912, 91.1835** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.8073, 93.8740, 108.1520**, and the grayscale version is **85.4801, 89.9317, 97.9356**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3589, 49.1274, 49.5816** is the 20% darker color. If you saturate the color by 10%, you get **78.0413, 76.3493, 71.2714**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

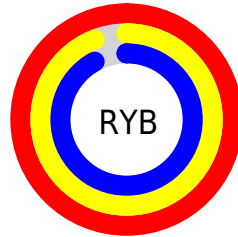
# Distribution



Red (100%)

Green (94%)

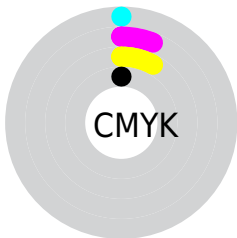
Blue (92%)



Red (100%)

Yellow (94%)

Blue (92%)

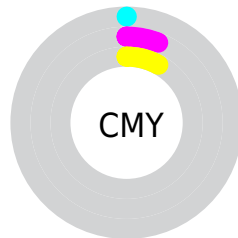


Cyan (0%)

Magenta (6%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (6%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1019, 88.9912, 91.1835 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 87.1019, 88.9912, 91.1835 by changing the saturation by 10% instead.




 87.1019, 88.9912,  
91.1835

 87.1019, 88.9912,  
91.1835

506.9372,  
524.7438, 552.5424

 65.9079, 67.1443,  
68.3834


142.2051,  
145.9363, 150.9311

 48.4650, 49.2019,  
49.7411


176.8450,  
181.8033, 188.7157

 34.4081, 34.7796,  
34.8380


216.6975,  
223.1124, 232.3322

 23.3716, 23.4932,  
23.2555

262.1280,  
270.2481, 282.1992

 14.9904, 14.9581,  
14.5752

313.5018,  
323.5946, 338.7351

 8.8989, 8.7900,  
8.3785

371.1844,

 4.7319, 4.6044,

383.5365, 402.3586

4.2469

435.5411,  
450.4581, 473.4882

■ 2.1239, 2.0171,  
1.7617

■ 0.7022, 0.6174,  
0.4025

■ 87.1019, 88.9912,  
91.1835

■ 87.1019, 88.9912,  
91.1835

■ 78.0413, 76.3493,  
71.2714

95.0500, 100.0000,  
108.9000

■ 70.1360, 65.2089,  
54.2383

■ 63.3404, 55.5170,  
39.9521

■ 57.6037, 47.2135,  
28.2680

■ 52.8712, 40.2340,  
19.0280

■ 49.0828, 34.5088,  
12.0569

■ 46.1718, 29.9618,  
7.1557

■ 44.0618, 26.5079,  
4.0907

■ 42.6584, 24.0485,  
2.5515

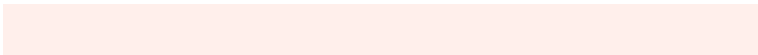
# Harmonies

## Analogous

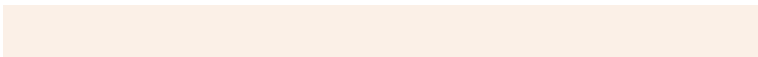
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8008, 88.9912, 95.4269



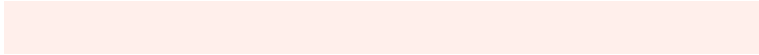
87.1019, 88.9912, 91.1835



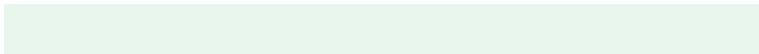
85.7307, 88.9912, 88.5303

# Triad

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



87.1019, 88.9912, 91.1835



81.6095, 88.9912, 93.6621



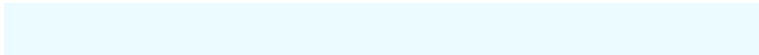
85.1002, 88.9912, 106.2839

# Complementary

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



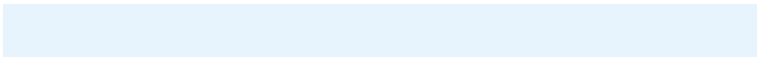
87.1019, 88.9912, 91.1835



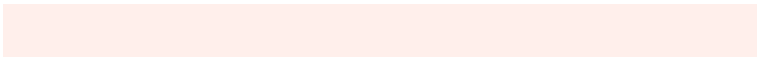
86.8073, 93.8740, 108.1520

# Split Complementary

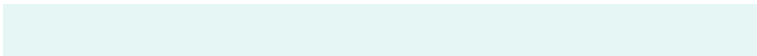
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4465, 88.9912, 105.7734



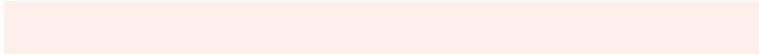
87.1019, 88.9912, 91.1835



81.4457, 88.9912, 98.3807

# Square

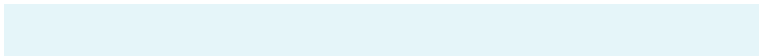
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1019, 88.9912, 91.1835



82.5645, 88.9912, 89.9281



82.1141, 88.9912, 102.8428

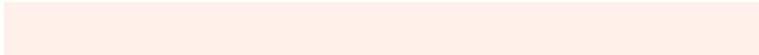


86.6351, 88.9912, 104.2154



# Rectangle

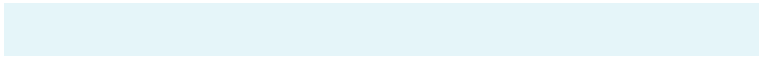
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



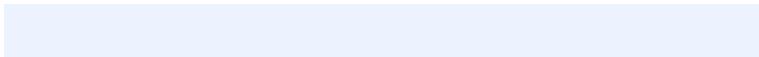
87.1019, 88.9912, 91.1835



84.6274, 88.9912, 87.9675



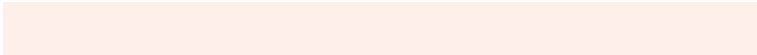
82.1141, 88.9912, 102.8428



84.5396, 88.9912, 106.4097

# Sweetspot

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



87.1039, 88.9949, 91.1854



92.9522, 97.1010, 104.2036



88.3615, 87.6427, 103.5266



19.9176, 20.8140, 22.3530



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

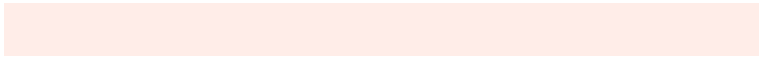


# Same Dimension

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



87.1039, 88.9949, 91.1854



85.9943, 87.4524, 88.7288



90.1115, 95.0099, 92.1879



18.3039, 18.5759, 18.7651



22.2514, 12.5141, 1.2427

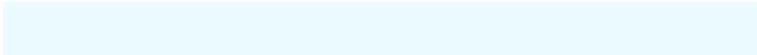


2.2391, 1.3635, 0.1452

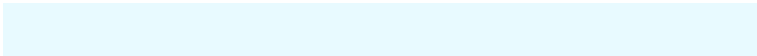


# Inverse Universe

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



86.8073, 93.8740, 108.1520



85.6564, 93.0070, 108.0453



83.7671, 87.7937, 107.1386



18.2277, 19.8271, 23.1163



20.8152, 26.5399, 53.4602

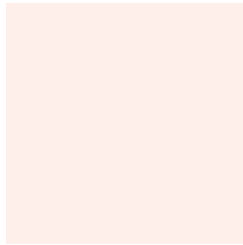


2.1015, 2.7336, 5.2302



# Previews

## White Background



This preview shows how the XYZ color 87.1019, 88.9912, 91.1835 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

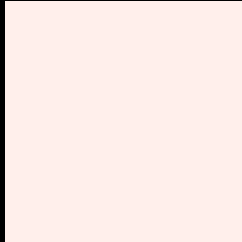
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.1019, 88.9912, 91.1835 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

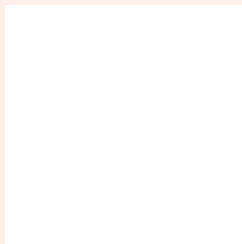
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 87.1019, 88.9912, 91.1835

## Background



This preview shows how black text looks on a background with the XYZ color 87.1019, 88.9912, 91.1835.



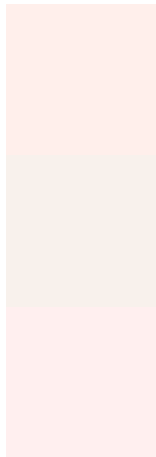
This preview shows how white text looks on a background with the XYZ color 87.1019, 88.9912,

91.1835.

# 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

87.1019, 88.9912, 91.1835

### Protanopia

85.3070, 88.9232, 92.0246

### Deuteranopia

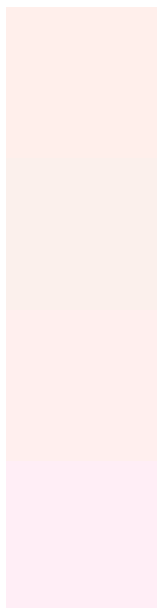
87.6865, 89.2250, 94.2619



## Tritanopia

89.0949, 88.8566, 104.5507

# Trichromacy



## Original Color

87.1019, 88.9912, 91.1835

## Protanomaly

86.0841, 88.8855, 91.9764

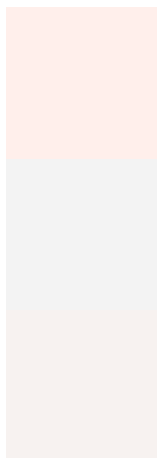
## Deuteranomaly

87.5391, 89.1661, 93.4859

## Tritanomaly

88.4491, 89.0629, 99.7179

# Monochromacy



## Original Color

87.1019, 88.9912, 91.1835

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

85.8381, 89.5697, 95.2026

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.1019, 88.9912, 91.1835 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, 239, 235) looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 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(255, 239, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 87.1019, 88.9912, 91.1835 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, 239, 235) }
```



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

```
.border{ border-color:rgb(255, 239, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.1019, 88.9912, 91.1835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 235) }
```

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

```
.background{ background-color: rgb(255,  
239, 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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