

# Converting Colors

XYZ(89.1498, 93.1793, 91.5813)

Have a look what the booklet for  
XYZ(89.1498, 93.1793, 91.5813)  
contains.

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# **Color**

**XYZ(89.1912, 93.1697,  
91.8799)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF6EB
RGB	255, 246, 235
RGB Percent	100%, 96%, 92%
CMY	0.0000, 0.0353, 0.0784
CMYK	0.00, 0.04, 0.08, 0.00
HSL	33°, 100%, 96%
HSV	33°, 8%, 100%
XYZ	89.1912, 93.1697, 91.8799
YIQ	247.4370, 8.8950, -1.5130

# Conversions

## Conversions Part 2

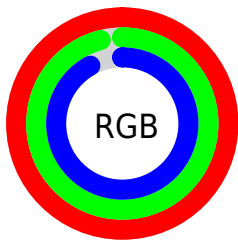
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 255, 235
Decimal	16774891
CIE Lab	97.30, 1.17, 6.34
CIE LCh	97, 6.450, 79.579
Yxy	93.1697, 0.3252, 0.3397
Android (android.graphics.Color)	4294964971 (0xFFFFF6EB)
YUV	247.4370, -6.1314, 6.6328
Hunter-Lab	96.5245, -3.9790, 11.1300

# Details

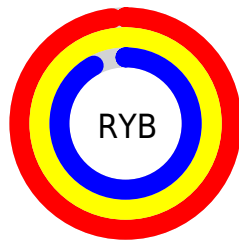
The XYZ color 89.1912, 93.1697, 91.8799 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.6609, 89.5812, 107.4365, and the grayscale version is 88.8090, 93.4339, 101.7496.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.8388, 52.0874, 50.0749 is the 20% darker color. If you saturate the color by 10%, you get 82.3871, 85.0407, 72.7201, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

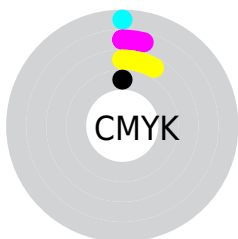
# Distribution



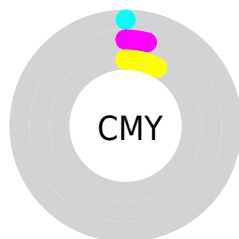
- Red (100%)
- Green (96%)
- Blue (92%)



- Red (98%)
- Yellow (100%)
- Blue (92%)



- Cyan (0%)
- Magenta (4%)
- Yellow (8%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.1912, 93.1697, 91.8799 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 89.1912, 93.1697, 91.8799 by changing the saturation by 10% instead.




 89.1912, 93.1697,  
91.8799

 89.1912, 93.1697,  
91.8799


513.6735,  
538.2887, 554.8544

 67.6441, 70.6126,  
68.9584

145.0985,  
151.7335, 151.9052

 49.8809, 52.0261,  
50.2063


180.1894,  
188.5090, 189.8460

 35.5362, 37.0259,  
35.2050

220.5256,  
230.7927, 233.6304

 24.2446, 25.2275,  
23.5360

266.4724,  
278.9691, 283.6769

 15.6409, 16.2466,  
14.7808

318.3953,  
333.4225, 340.4040

 9.3596, 9.6989,  
8.5208

376.6595,

 5.0355, 5.1997,

394.5373, 404.2303

4.3374

441.6305,  
462.6979, 475.5742

■ 2.3031, 2.3649,  
1.8122

■ 0.7962, 0.8078,  
0.4360

■ 89.1912, 93.1697,  
91.8799

■ 89.1912, 93.1697,  
91.8799

■ 82.3871, 85.0407,  
72.7201

95.0500, 100.0000,  
108.9000

■ 76.2982, 77.5334,  
56.2924

■ 70.8988, 70.6339,  
42.4716

■ 66.1589, 64.3238,  
31.1197

■ 62.0460, 58.5834,  
22.0863

■ 58.5241, 53.3913,  
15.2040

■ 55.5531, 48.7243,  
10.2828

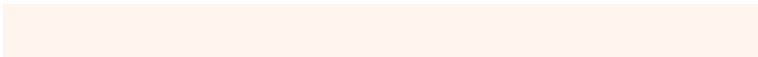
■ 53.0860, 44.5562,  
7.0987

■ 51.0614, 40.8547,  
5.3525

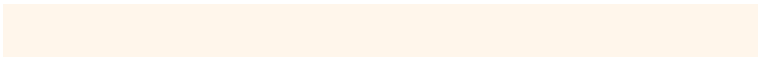
# Harmonies

## Analogous

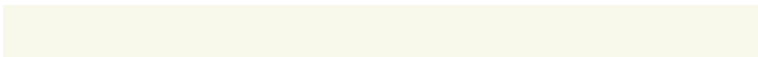
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8497, 93.1697, 93.9861



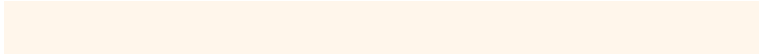
89.1912, 93.1697, 91.8799



87.3843, 93.1697, 92.2692

# Triad

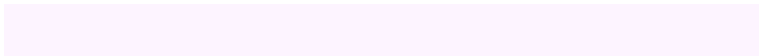
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1912, 93.1697, 91.8799



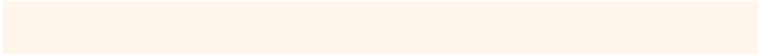
85.2899, 93.1697, 104.8510



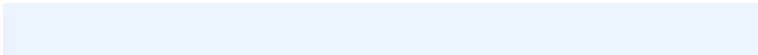
91.2533, 93.1697, 108.1024

# Complementary

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



89.1912, 93.1697, 91.8799



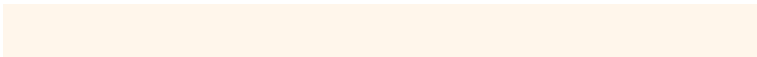
84.6609, 89.5812, 107.4365

# Split Complementary

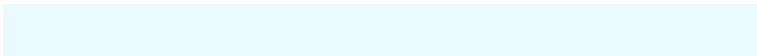
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7361, 93.1697, 111.2118



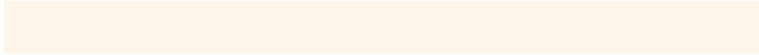
89.1912, 93.1697, 91.8799



86.2993, 93.1697, 109.2905

# Square

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



89.1912, 93.1697, 91.8799



85.1486, 93.1697, 99.6391



87.9218, 93.1697, 111.6540

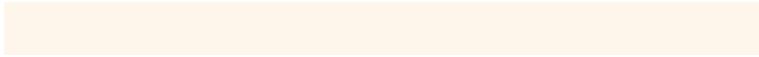


92.0511, 93.1697, 103.2745



# Rectangle

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



89.1912, 93.1697, 91.8799



86.3381, 93.1697, 93.8960



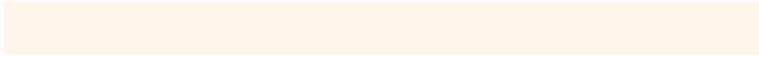
87.9218, 93.1697, 111.6540



90.8096, 93.1697, 109.3902

# Sweetspot

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



89.1933, 93.1735, 91.8819



93.5123, 98.2212, 104.3902



87.2781, 87.2094, 97.8218



20.0316, 21.0421, 22.3910



0.0000, 0.0000, 0.0000

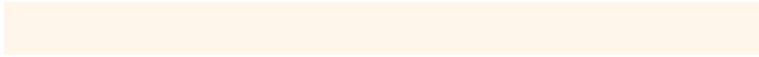


20.3446, 21.4041, 23.3091

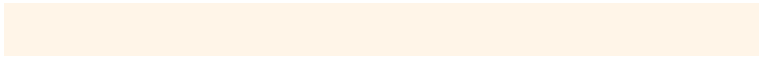


# Same Dimension

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



89.1933, 93.1735, 91.8819



88.3679, 92.1996, 89.5200



91.6287, 98.5891, 92.7988



18.8380, 19.6442, 18.9432



26.6247, 21.2606, 2.7004

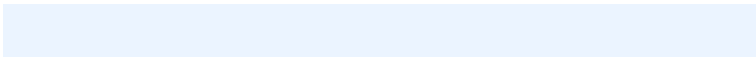


2.7015, 2.2884, 0.2993

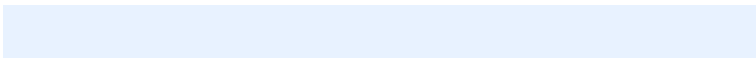


# Inverse Universe

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



84.6609, 89.5812, 107.4365



83.2077, 88.1097, 107.2291



82.3515, 84.4708, 106.5719



17.6757, 18.7230, 22.9322



12.7602, 10.4300, 50.7752

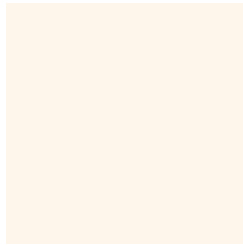


1.3496, 1.2300, 4.9795



# Previews

## White Background



This preview shows how the XYZ color 89.1912, 93.1697, 91.8799 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

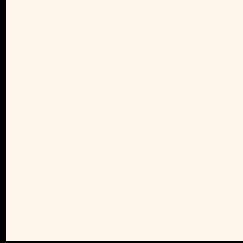
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.1912, 93.1697, 91.8799 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 89.1912, 93.1697, 91.8799**

## **Background**



This preview shows how black text looks on a background with the XYZ color 89.1912, 93.1697, 91.8799.



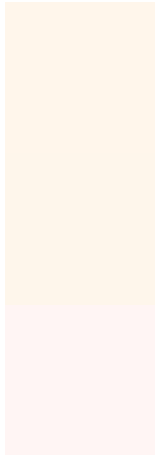
This preview shows how white text looks on a background with the XYZ color 89.1912, 93.1697,



# 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

89.1912, 93.1697, 91.8799

### Protanopia

88.8242, 92.9805, 91.8628

### Deuteranopia

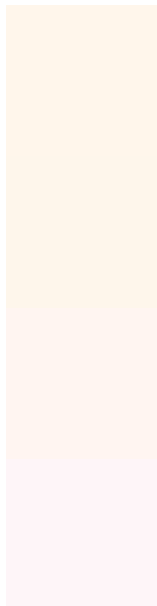
90.2215, 93.0965, 98.8022



## Tritanopia

91.2737, 92.9922, 107.7464

# Trichromacy



## Original Color

89.1912, 93.1697, 91.8799

## Protanomaly

88.8242, 92.9805, 91.8628

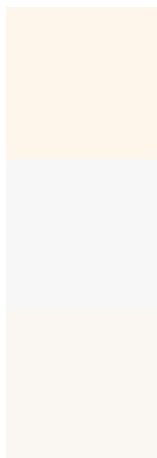
## Deuteranomaly

89.7696, 92.9157, 96.4222

## Tritanomaly

90.4687, 93.1530, 102.0190

# Monochromacy



## Original Color

89.1912, 93.1697, 91.8799

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

88.8628, 93.3166, 98.1224

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.1912, 93.1697, 91.8799 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, 246, 235) looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 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, 246, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 89.1912, 93.1697, 91.8799 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, 246, 235) }
```



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

```
.border{ border-color:rgb(255, 246, 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, 246, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.1912, 93.1697, 91.8799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 235) }
```

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

```
.background{ background-color: rgb(255,  
246, 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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