

# Converting Colors

XYZ(87.3864, 89.6526, 90.9935)

Have a look what the booklet for  
XYZ(87.3864, 89.6526, 90.9935)  
contains.

<b>XYZ(87.3955, 89.5783, 91.2814)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(87.3955, 89.5783,  
91.2814)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF0EB
RGB	255, 240, 235
RGB Percent	100%, 94%, 92%
CMY	0.0000, 0.0588, 0.0784
CMYK	0.00, 0.06, 0.08, 0.00
HSL	15°, 100%, 96%
HSV	15°, 8%, 100%
XYZ	87.3955, 89.5783, 91.2814
YIQ	243.9150, 10.5450, 1.6250

# Conversions

## Conversions Part 2

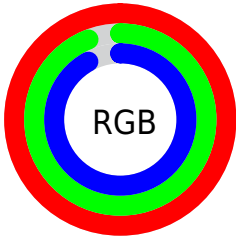
Format	Color
R <sub>Y</sub> B	255, 242, 235
Decimal	16773355
CIE Lab	95.82, 4.22, 4.21
CIE LCh	96, 5.960, 44.971
Yxy	89.5783, 0.3258, 0.3339
Android (android.graphics.Color)	4294963435 (0xFFFFF0EB)
YUV	243.9150, -4.3951, 9.7215
Hunter-Lab	94.6458, -0.8041, 9.0697

# Details

The XYZ color **87.3955, 89.5783, 91.2814** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.4958, 93.2510, 108.0482**, and the grayscale version is **85.9510, 90.4272, 98.4752**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5659, 49.5414, 49.6506** is the 20% darker color. If you saturate the color by 10%, you get **78.6375, 77.5416, 71.4702**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

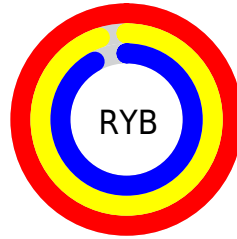
# Distribution



Red (100%)

Green (94%)

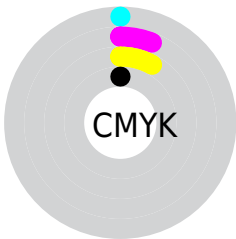
Blue (92%)



Red (100%)

Yellow (95%)

Blue (92%)

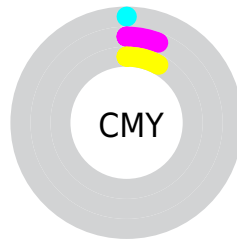


Cyan (0%)

Magenta (6%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (6%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.3955, 89.5783, 91.2814 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 87.3955, 89.5783, 91.2814 by changing the saturation by 10% instead.



 87.3955, 89.5783,  
91.2814

 87.3955, 89.5783,  
91.2814


507.8867,  
526.6581, 552.8677

 66.1517, 67.6309,  
68.4642


142.6121,  
146.7525, 151.0681

 48.6637, 49.5975,  
49.8065


177.3156,  
182.7481, 188.8747

 34.5662, 35.0937,  
34.8895


217.2364,  
224.1953, 232.5148

 23.4939, 23.7351,  
23.2949


262.7398,  
271.4784, 282.4070

 15.0813, 15.1372,  
14.6041

314.1911,  
324.9818, 338.9699

 8.9631, 8.9157,  
8.3985

371.9558,

 4.7741, 4.6863,

385.0900, 402.6220

4.2596

436.3992,  
452.1873, 473.7817

■ 2.1487, 2.0644,  
1.7688

■ 0.7155, 0.6445,  
0.4072

■ 87.3955, 89.5783,  
91.2814

■ 87.3955, 89.5783,  
91.2814

■ 78.6375, 77.5416,  
71.4702

95.0500, 100.0000,  
108.9000

■ 70.9580, 66.8530,  
54.5124

■ 64.3160, 57.4683,  
40.2773

■ 58.6652, 49.3365,  
28.6218

■ 53.9559, 42.4033,  
19.3896

■ 50.1337, 36.6105,  
12.4072

■ 47.1380, 31.8942,  
7.4778

■ 44.8999, 28.1840,  
4.3700

■ 43.3333, 25.3984,  
2.7765

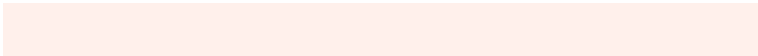
# Harmonies

## Analogous

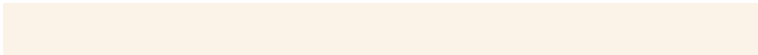
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2292, 89.5783, 95.2174



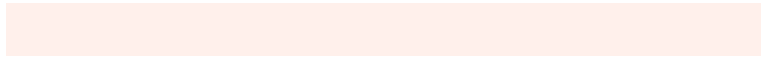
87.3955, 89.5783, 91.2814



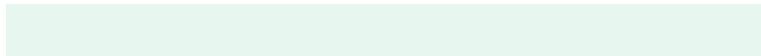
85.9631, 89.5783, 89.0578

# Triad

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



87.3955, 89.5783, 91.2814



82.1274, 89.5783, 95.2088



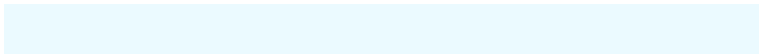
85.9600, 89.5783, 106.5373

# Complementary

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



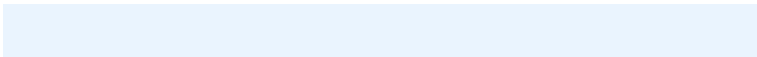
87.3955, 89.5783, 91.2814



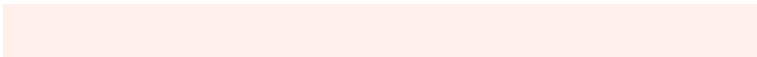
86.4958, 93.2510, 108.0482

# 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.



84.3251, 89.5783, 106.5349



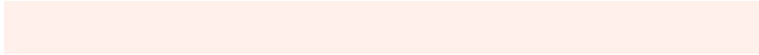
87.3955, 89.5783, 91.2814



82.1266, 89.5783, 99.8910

# Square

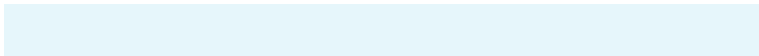
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.3955, 89.5783, 91.2814



82.9288, 89.5783, 91.2753



82.9266, 89.5783, 104.0690



87.3932, 89.5783, 104.0757



# Rectangle

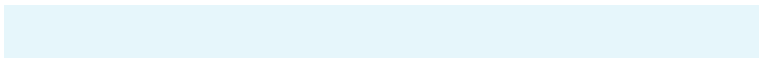
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.3955, 89.5783, 91.2814



84.8681, 89.5783, 88.7989



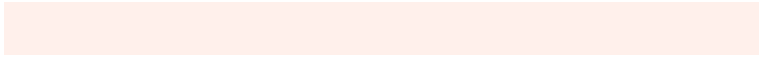
82.9266, 89.5783, 104.0690



85.4155, 89.5783, 106.8272

# Sweetspot

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



87.3975, 89.5820, 91.2833



93.0319, 97.2604, 104.2301



88.2042, 87.5798, 102.6986



19.9338, 20.8465, 22.3584



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

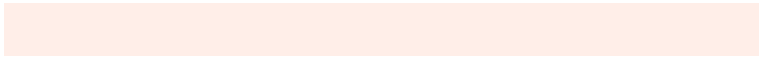


# Same Dimension

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



87.3975, 89.5820, 91.2833



86.3269, 88.1176, 88.8397



90.4214, 95.6297, 92.2913



18.3786, 18.7254, 18.7900



22.5999, 13.2111, 1.3588

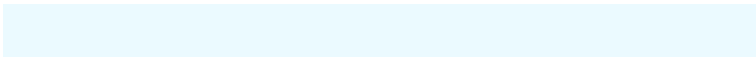


2.2827, 1.4508, 0.1597

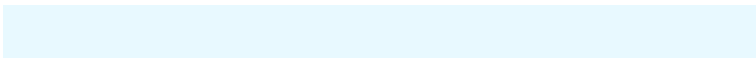


# Inverse Universe

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



86.4958, 93.2510, 108.0482



85.3002, 92.2946, 107.9266



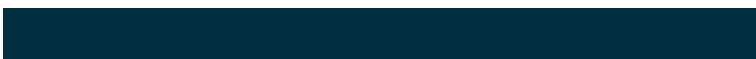
83.4720, 87.2034, 107.0402



18.1473, 19.6663, 23.0895



19.3130, 23.5356, 52.9595

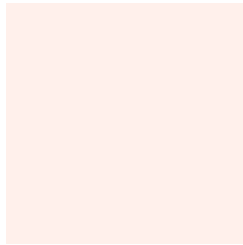


1.9670, 2.4647, 5.1853



# Previews

## White Background



This preview shows how the XYZ color 87.3955, 89.5783, 91.2814 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

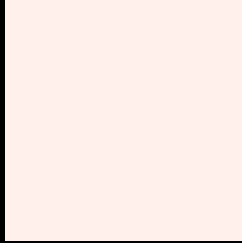
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.3955, 89.5783, 91.2814 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

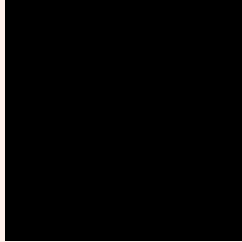
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

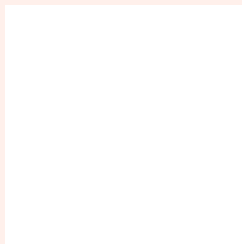
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 87.3955, 89.5783, 91.2814

## Background



This preview shows how black text looks on a background with the XYZ color 87.3955, 89.5783, 91.2814.



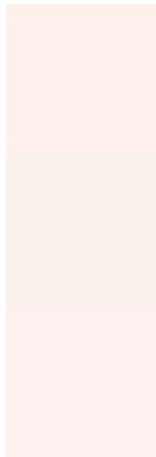
This preview shows how white text looks on a background with the XYZ color 87.3955, 89.5783,

91.2814.

# 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

87.3955, 89.5783, 91.2814

### Protanopia

85.9594, 89.7001, 92.1402

### Deuteranopia

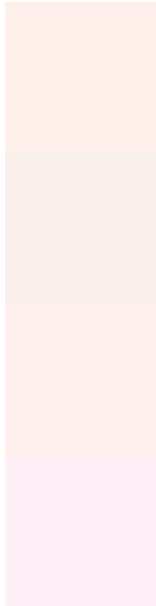
88.1283, 89.8714, 95.1401



## Tritanopia

89.5442, 89.5009, 105.4844

# Trichromacy



## Original Color

87.3955, 89.5783, 91.2814

## Protanomaly

86.3793, 89.4760, 92.0748

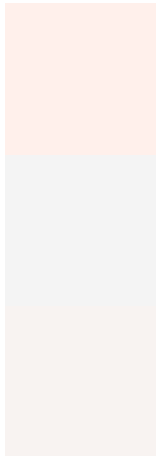
## Deuteranomaly

87.8327, 89.7532, 93.5837

## Tritanomaly

88.7411, 89.6468, 99.8152

# Monochromacy



## Original Color

87.3955, 89.5783, 91.2814

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

86.6392, 90.4085, 96.1033

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.3955, 89.5783, 91.2814 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, 235) looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 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, 240, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 87.3955, 89.5783, 91.2814 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, 235) }
```



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

```
.border{ border-color:rgb(255, 240, 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, 240, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.3955, 89.5783, 91.2814 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, 235) }
```

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

```
.background{ background-color: rgb(255,  
240, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor