

Converting Colors

XYZ(102.7699, 94.9417,
90.1207)

Have a look what the booklet for
XYZ(102.7699, 94.9417, 90.1207)
contains.

XYZ(85.3708, 85.9888, 89.1888)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(85.3708, 85.9888,
89.1888)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEAE9
RGB	255, 234, 233
RGB Percent	100%, 92%, 91%
CMY	0.0000, 0.0823, 0.0863
CMYK	0.00, 0.08, 0.09, 0.00
HSL	3°, 100%, 96%
HSV	3°, 9%, 100%
XYZ	85.3708, 85.9888, 89.1888
YIQ	240.1650, 12.8370, 4.1410

Conversions

Conversions Part 2

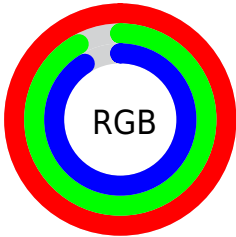
Format	Color
R _Y B	255, 234, 233
Decimal	16771817
CIE Lab	94.31, 6.96, 3.05
CIE LCh	94, 7.599, 23.697
Yxy	85.9888, 0.3277, 0.3300
Android (android.graphics.Color)	4294961897 (0xFFFFEAE9)
YUV	240.1650, -3.5323, 13.0103
Hunter-Lab	92.7301, 2.0559, 7.8854

Details

The XYZ color **85.3708, 85.9888, 89.1888** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.0953, 95.4248, 108.4362**, and the grayscale version is **82.9751, 87.2963, 95.0657**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1449, 47.0209, 48.1861** is the 20% darker color. If you saturate the color by 10%, you get **75.5292, 71.7201, 69.2161**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

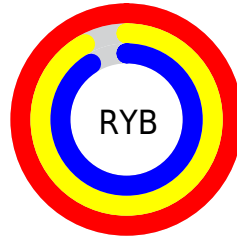
Distribution



Red (100%)

Green (92%)

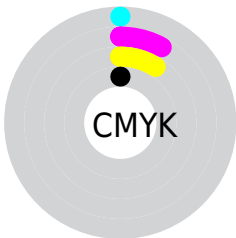
Blue (91%)



Red (100%)

Yellow (92%)

Blue (91%)

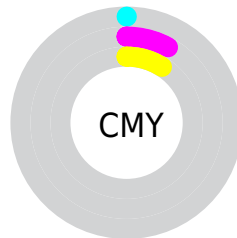


Cyan (0%)

Magenta (8%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.3708, 85.9888, 89.1888 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 85.3708, 85.9888, 89.1888 by changing the saturation by 10% instead.


 85.3708, 85.9888,
89.1888

 85.3708, 85.9888,
89.1888


501.3194,
514.8943, 545.8904

 64.4713, 64.6587,
66.7381


139.8025,
141.7539, 148.1367

 47.2956, 47.1844,
48.4116


174.0654,
176.9576, 185.4711

 33.4784, 33.1814,
33.7906

213.5135,
217.5547, 228.6037

 22.6541, 22.2655,
22.4567

258.5122,
263.9296, 277.9532

 14.4576, 14.0521,
13.9914

309.4267,
316.4666, 333.9381

 8.5235, 8.1569,
7.9760

366.6226,

 4.4863, 4.1955,

375.5501, 396.9769

3.9920

430.4650,
441.5645, 467.4881

■ 1.9807, 1.7835,
1.6210

■ 0.6231, 0.4769,
0.3057

■ 85.3708, 85.9888,
89.1888

■ 85.3708, 85.9888,
89.1888

■ 75.5292, 71.7201,
69.2161

95.0500, 100.0000,
108.9000

■ 67.1027, 59.4755,
52.2001

■ 60.0279, 49.1666,
38.0020

■ 54.2346, 40.6943,
26.4696

■ 49.6460, 33.9509,
17.4367

■ 46.1770, 28.8172,
10.7182

■ 43.7317, 25.1591,
6.1034

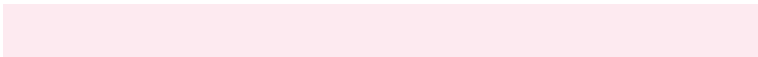
■ 42.1978, 22.8208,
3.3433

■ 41.4298, 21.6089,
2.0879

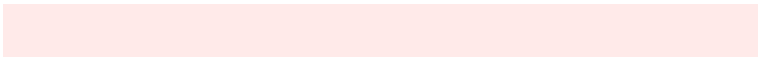
Harmonies

Analogous

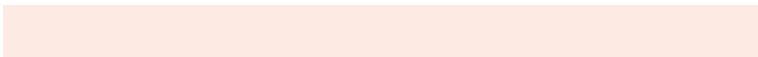
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6870, 85.9888, 94.8647



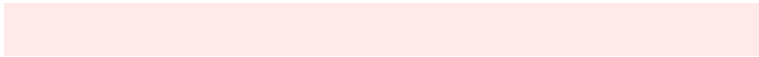
85.3708, 85.9888, 89.1888



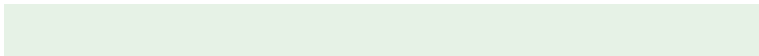
84.0719, 85.9888, 84.8709

Triad

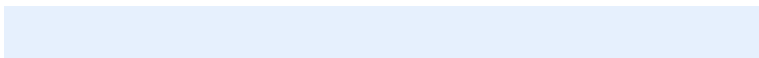
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3708, 85.9888, 89.1888



78.6122, 85.9888, 87.1386



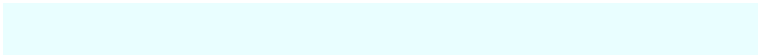
81.3003, 85.9888, 105.2310

Complementary

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



85.3708, 85.9888, 89.1888



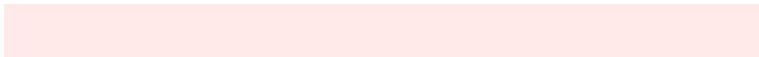
87.0953, 95.4248, 108.4362

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.



79.4316, 85.9888, 102.9659



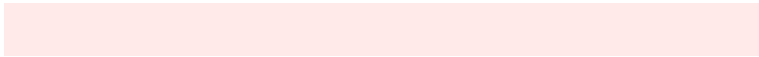
85.3708, 85.9888, 89.1888



77.8963, 85.9888, 92.4005

Square

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



85.3708, 85.9888, 89.1888



80.1650, 85.9888, 83.7221



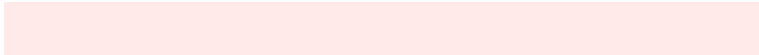
78.1938, 85.9888, 98.2104



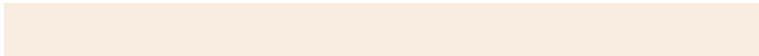
83.3148, 85.9888, 104.2843

Rectangle

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



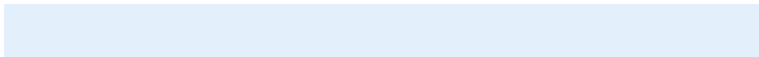
85.3708, 85.9888, 89.1888



82.8348, 85.9888, 83.2635



78.1938, 85.9888, 98.2104



80.6347, 85.9888, 104.8170

Sweetspot

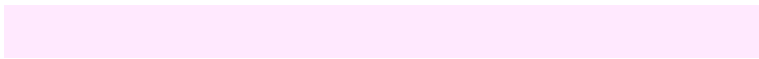
The Sweet Spot groups the original color and five complimentary colors.



85.3728, 85.9923, 89.1906



91.5576, 94.9470, 101.7801



88.3115, 86.7116, 106.0725



19.4022, 20.0406, 21.3882



0.0000, 0.0000, 0.0000



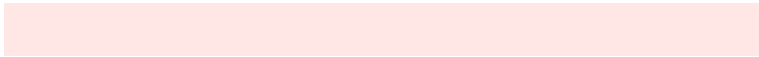
20.3446, 21.4041, 23.3091

Same Dimension

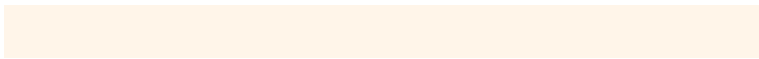
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3728, 85.9923, 89.1906



83.9348, 83.9091, 86.2675



88.5203, 92.2873, 90.2398



18.0759, 18.1199, 18.6891



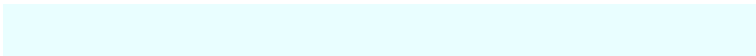
21.6436, 11.2984, 1.0401



2.1297, 1.1448, 0.1087

Inverse Universe

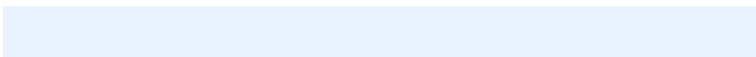
The Inverse Universe completely reimagines the original color for something new.



87.0953, 95.4248, 108.4362



85.9126, 94.7398, 108.3663



83.7856, 88.8054, 107.3329



18.4796, 20.3308, 23.2002



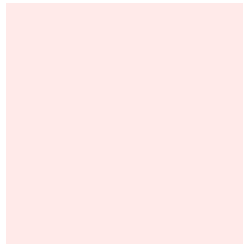
26.2659, 37.4413, 55.2771



2.5785, 3.6877, 5.3892

Previews

White Background



This preview shows how the XYZ color 85.3708, 85.9888, 89.1888 looks on a white background.

Color Contrast Check

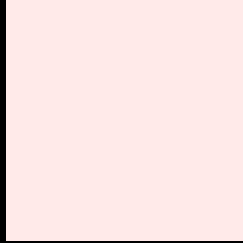
Large Text (above 18pt) WCAG AA × Fail

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 85.3708, 85.9888, 89.1888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

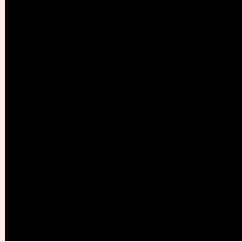
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

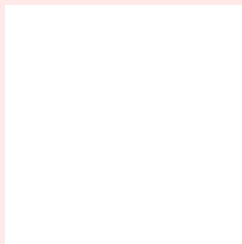
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.3708, 85.9888, 89.1888

Background



This preview shows how black text looks on a background with the XYZ color 85.3708, 85.9888, 89.1888.



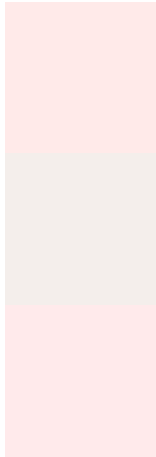
This preview shows how white text looks on a background with the XYZ color 85.3708, 85.9888,

89.1888.

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

85.3708, 85.9888, 89.1888

Protanopia

82.8782, 86.3803, 90.9022

Deuteranopia

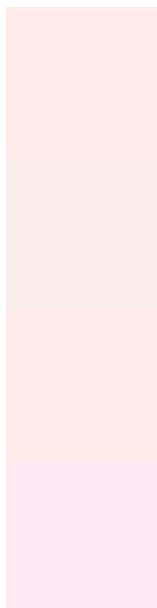
85.6582, 86.1038, 90.7023



Tritanopia

87.0399, 85.7505, 100.7709

Trichromacy



Original Color

85.3708, 85.9888, 89.1888

Protanomaly

83.8469, 86.4653, 90.1122

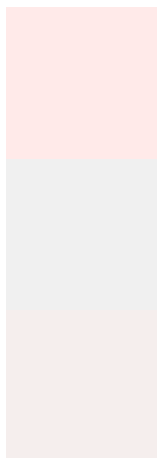
Deuteranomaly

85.5141, 86.0462, 89.9434

Tritanomaly

86.5566, 86.0089, 96.8334

Monochromacy



Original Color

85.3708, 85.9888, 89.1888

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.5168, 86.6760, 92.4491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.3708, 85.9888, 89.1888 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, 234, 233) looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 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, 234, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 233) }
```

Border

The CSS property to change the border of an element to XYZ 85.3708, 85.9888, 89.1888 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, 234, 233) }
```


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

```
.border{ border-color:rgb(255, 234, 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, 234, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 85.3708, 85.9888, 89.1888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 233) }
```

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

```
.background{ background-color: rgb(255,  
234, 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](#).

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