

Converting Colors

XYZ(89.0092, 90.3995, 84.2415)

Have a look what the booklet for
XYZ(89.0092, 90.3995, 84.2415)
contains.

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Color

**XYZ(85.9907, 89.0164,
83.8839)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0E1
RGB	255, 240, 225
RGB Percent	100%, 94%, 88%
CMY	0.0000, 0.0588, 0.1176
CMYK	0.00, 0.06, 0.12, 0.00
HSL	30°, 100%, 94%
HSV	30°, 12%, 100%
XYZ	85.9907, 89.0164, 83.8839
YIQ	242.7750, 13.7550, -1.4850

Conversions

Conversions Part 2

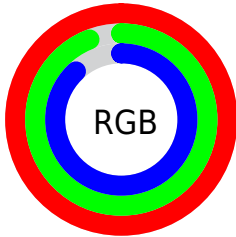
Format	Color
R _Y B	255, 255, 225
Decimal	16773345
CIE Lab	95.59, 2.61, 9.05
CIE LCh	96, 9.415, 73.924
Yxy	89.0164, 0.3322, 0.3438
Android (android.graphics.Color)	4294963425 (0xFFFFF0E1)
YUV	242.7750, -8.7631, 10.7213
Hunter-Lab	94.3485, -2.4222, 13.3301

Details

The XYZ color **85.9907, 89.0164, 83.8839** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.2607, 85.5455, 106.8895**, and the grayscale version is **85.0742, 89.5046, 97.4706**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6849, 49.1890, 45.0114** is the 20% darker color. If you saturate the color by 10%, you get **79.1476, 80.4877, 65.7030**, and if you desaturate by 10%, it is **93.6211, 98.2875, 104.8926**.

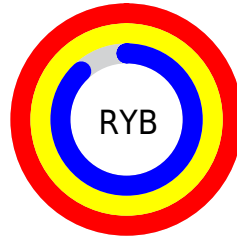
Distribution



Red (100%)

Green (94%)

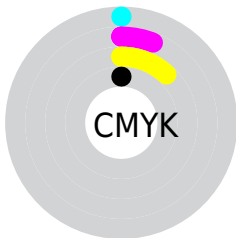
Blue (88%)



Red (100%)

Yellow (100%)

Blue (88%)

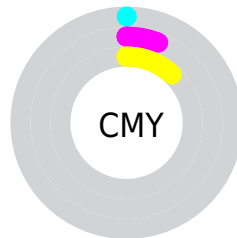


Cyan (0%)

Magenta (6%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.9907, 89.0164, 83.8839 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 85.9907, 89.0164, 83.8839 by changing the saturation by 10% instead.


 85.9907, 89.0164,
83.8839

 85.9907, 89.0164,
83.8839

503.3350,
524.8260, 527.9756

 64.9855, 67.1651,
62.3748


140.6634,
145.9714, 140.6730

 47.7140, 49.2188,
44.8978

175.0616,
181.8439, 176.7901

 33.8108, 34.7931,
31.0346

214.6550,
223.1589, 218.6136

 22.9105, 23.5036,
20.3665

259.8087,
270.3009, 266.5620

 14.6477, 14.9658,
12.4750

310.8882,
323.6542, 321.0538

 8.6572, 8.7954,
6.9416

368.2589,

 4.5736, 4.6079,

383.6032, 382.5077

3.3477

432.2860,
450.5324, 451.3421

■ 2.0315, 2.0191,
1.2748

■ 0.6516, 0.6185,
0.0410

■ 85.9907, 89.0164,
83.8839

■ 85.9907, 89.0164,
83.8839

■ 79.1476, 80.4877,
65.7030

■ 93.6211, 98.2875,
104.8926

■ 73.0573, 72.6703,
50.2216

95.0500, 100.0000,
108.9000

■ 67.6916, 65.5470,
37.3098

■ 63.0180, 59.0955,
26.8247

■ 59.0011, 53.2924,
18.6091

■ 55.6017, 48.1119,
12.4872

■ 52.7755, 43.5260,
8.2567

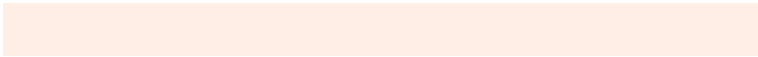
■ 50.4698, 39.5030,
5.6744

■ 48.8999, 36.5797,
4.4833

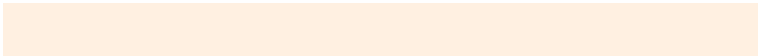
Harmonies

Analogous

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



88.2366, 89.0164, 87.3843



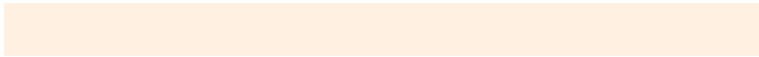
85.9907, 89.0164, 83.8839



83.4175, 89.0164, 83.7583

Triad

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



85.9907, 89.0164, 83.8839



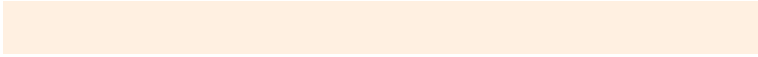
79.8761, 89.0164, 100.3882



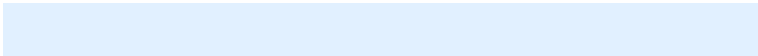
88.1010, 89.0164, 107.5379

Complementary

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



85.9907, 89.0164, 83.8839



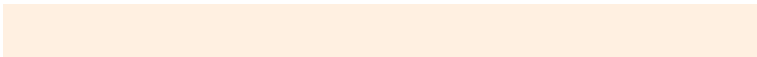
80.2607, 85.5455, 106.8895

Split Complementary

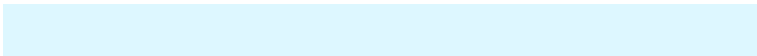
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8086, 89.0164, 111.4011



85.9907, 89.0164, 83.8839



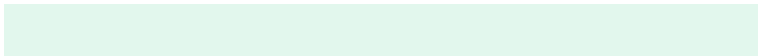
81.0791, 89.0164, 107.1334

Square

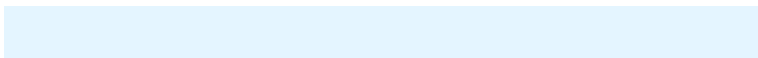
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.9907, 89.0164, 83.8839



79.9225, 89.0164, 93.0367



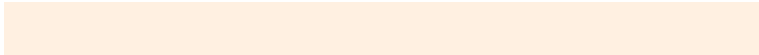
83.2391, 89.0164, 111.2494



89.4719, 89.0164, 100.9176

Rectangle

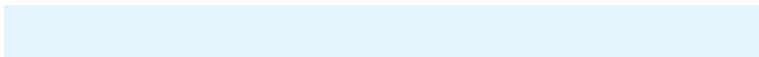
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.9907, 89.0164, 83.8839



81.8648, 89.0164, 85.5897



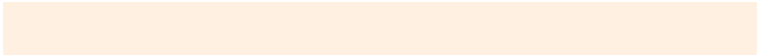
83.2391, 89.0164, 111.2494



87.4106, 89.0164, 109.2167

Sweetspot

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



85.9928, 89.0201, 83.8858



91.8460, 96.1505, 99.9443



83.8940, 81.4028, 93.7294



19.5329, 20.4281, 21.0429



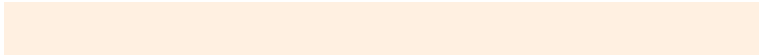
0.0000, 0.0000, 0.0000



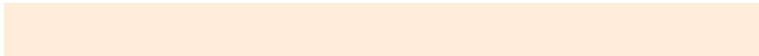
20.3446, 21.4041, 23.3091

Same Dimension

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



85.9928, 89.0201, 83.8858



84.3952, 87.0492, 79.5792



90.5909, 98.2163, 85.4185



18.7600, 19.4883, 18.9172



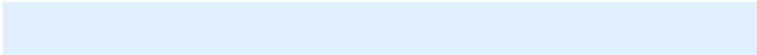
25.7005, 19.4123, 2.3924



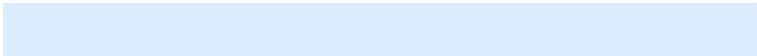
2.6116, 2.1085, 0.2693

Inverse Universe

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



80.2607, 85.5455, 106.8895



77.6796, 82.9783, 106.5300



76.0276, 77.0793, 105.4784



17.7531, 18.8779, 22.9581



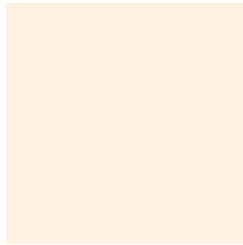
13.5772, 12.0641, 51.0476



1.4312, 1.3930, 5.0067

Previews

White Background



This preview shows how the XYZ color 85.9907, 89.0164, 83.8839 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 85.9907, 89.0164, 83.8839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

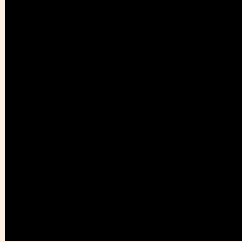
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.9907, 89.0164, 83.8839

Background



This preview shows how black text looks on a background with the XYZ color 85.9907, 89.0164, 83.8839.



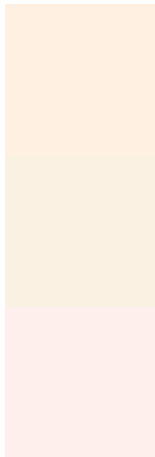
This preview shows how white text looks on a background with the XYZ color 85.9907, 89.0164,

83.8839.

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

85.9907, 89.0164, 83.8839

Protanopia

84.9664, 88.9108, 84.6348

Deuteranopia

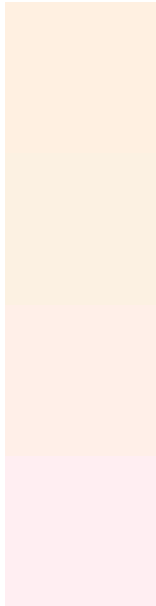
87.2468, 89.0491, 91.9467



Tritanopia

88.9368, 88.7934, 103.7182

Trichromacy



Original Color

85.9907, 89.0164, 83.8839

Protanomaly

85.3276, 89.0970, 84.6517

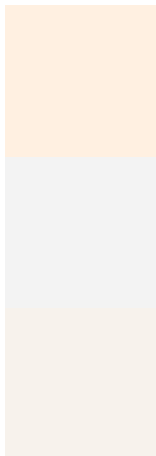
Deuteranomaly

86.6720, 88.8192, 88.9196

Tritanomaly

87.8415, 88.8199, 96.5186

Monochromacy



Original Color

85.9907, 89.0164, 83.8839

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.2502, 89.3345, 92.1070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.9907, 89.0164, 83.8839 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, 225) looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 225) }
```

Border

The CSS property to change the border of an element to XYZ 85.9907, 89.0164, 83.8839 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, 225) }
```


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

```
.border{ border-color:rgb(255, 240, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 240, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 240, 225); box-shadow:4px 4px 4px 4px rgb(255, 240, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 85.9907, 89.0164, 83.8839 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, 225) }
```

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

```
.background{ background-color: rgb(255,  
240, 225) }
```

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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