

Converting Colors

XYZ(85.7907, 88.2871, 84.8323)

Have a look what the booklet for
XYZ(85.7907, 88.2871, 84.8323)
contains.

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Color

**XYZ(85.9716, 88.5391,
85.2316)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEFEE3
RGB	255, 239, 227
RGB Percent	100%, 94%, 89%
CMY	0.0000, 0.0627, 0.1098
CMYK	0.00, 0.06, 0.11, 0.00
HSL	26°, 100%, 95%
HSV	26°, 11%, 100%
XYZ	85.9716, 88.5391, 85.2316
YIQ	242.4160, 13.3880, -0.3400

Conversions

Conversions Part 2

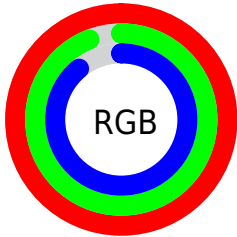
Format	Color
R_{YB}	255, 248, 227
Decimal	16773091
CIE Lab	95.39, 3.43, 7.73
CIE LCh	95, 8.454, 66.044
Yxy	88.5391, 0.3310, 0.3409
Android (android.graphics.Color)	4294963171 (0xFFFFEFE3)
YUV	242.4160, -7.6001, 11.0362
Hunter-Lab	94.0952, -1.5773, 12.1617

Details

The XYZ color **85.9716, 88.5391, 85.2316** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.7783, 87.6496, 107.2156**, and the grayscale version is **84.7804, 89.1956, 97.1340**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6686, 48.8513, 45.9466** is the 20% darker color. If you saturate the color by 10%, you get **78.6157, 79.0487, 66.6827**, and if you desaturate by 10%, it is **94.1967, 98.9330, 106.6442**.

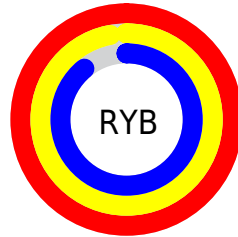
Distribution



Red (100%)

Green (94%)

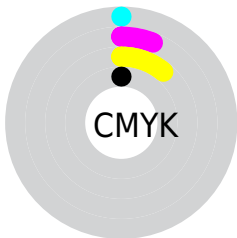
Blue (89%)



Red (100%)

Yellow (97%)

Blue (89%)

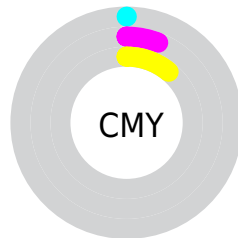


Cyan (0%)

Magenta (6%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.9716, 88.5391, 85.2316 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 85.9716, 88.5391, 85.2316 by changing the saturation by 10% instead.


 85.9716, 88.5391,
85.2316

 85.9716, 88.5391,
85.2316

503.2729,
523.2671, 532.5587

 64.9697, 66.7696,
63.4815


140.6369,
145.3075, 142.5737

 47.7011, 48.8974,
45.7874


175.0310,
181.0751, 179.0029

 33.8005, 34.5381,
31.7306


214.6198,
222.2777, 221.1621

 22.9026, 23.3073,
20.8927

259.7688,
269.2995, 269.4700

 14.6419, 14.8206,
12.8551

310.8432,
322.5249, 324.3450

 8.6531, 8.6936,
7.1993

368.2085,

 4.5709, 4.5419,

382.3384, 386.2058

3.5067

432.2299,
449.1243, 455.4708

■ 2.0299, 1.9810,
1.3588

■ 0.6507, 0.5964,
0.1093

■ 85.9716, 88.5391,
85.2316

■ 85.9716, 88.5391,
85.2316

■ 78.6157, 79.0487,
66.6827

94.1967, 98.9330,
106.6442

■ 72.0919, 70.4252,
50.8690

95.0500, 100.0000,
108.9000

■ 66.3694, 62.6459,
37.6603

■ 61.4128, 55.6828,
26.9137

■ 57.1839, 49.5060,
18.4722

■ 53.6406, 44.0834,
12.1607

■ 50.7353, 39.3803,
7.7780

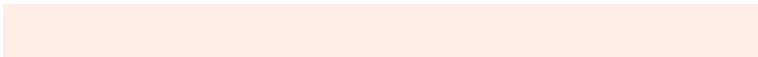
■ 48.4125, 35.3575,
5.0838

■ 46.7443, 32.2687,
3.7648

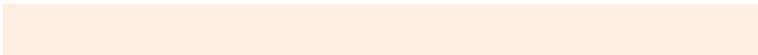
Harmonies

Analogous

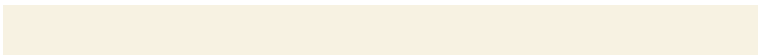
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7994, 88.5391, 89.1055



85.9716, 88.5391, 85.2316



83.6866, 88.5391, 84.2901

Triad

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



85.9716, 88.5391, 85.2316



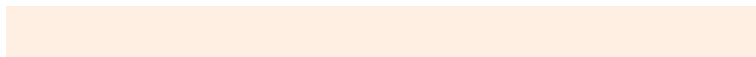
79.8102, 88.5391, 97.7507



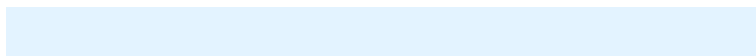
86.7966, 88.5391, 107.0684

Complementary

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



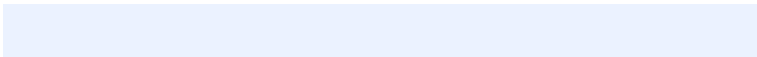
85.9716, 88.5391, 85.2316



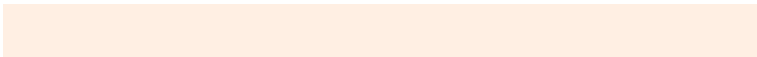
81.7783, 87.6496, 107.2156

Split Complementary

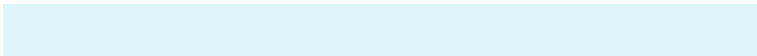
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6227, 88.5391, 109.6263



85.9716, 88.5391, 85.2316



80.6104, 88.5391, 104.0906

Square

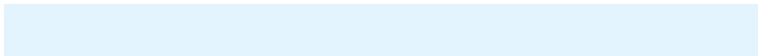
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.9716, 88.5391, 85.2316



80.1565, 88.5391, 91.3267



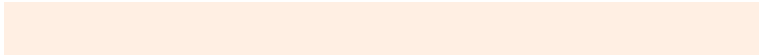
82.3617, 88.5391, 108.5125



88.2818, 88.5391, 101.6661

Rectangle

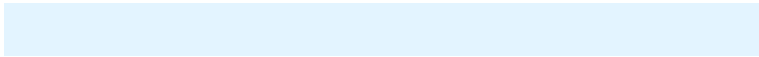
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.9716, 88.5391, 85.2316



82.2171, 88.5391, 85.4124



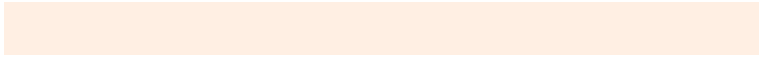
82.3617, 88.5391, 108.5125



86.1206, 88.5391, 108.3004

Sweetspot

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



85.9737, 88.5428, 85.2335



92.4643, 96.7605, 102.0824



84.9377, 82.6904, 96.5429



19.6461, 20.5284, 21.4695



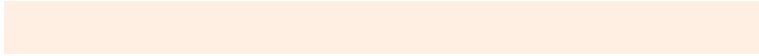
0.0000, 0.0000, 0.0000



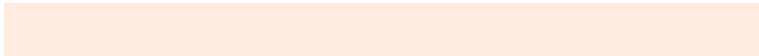
20.3446, 21.4041, 23.3091

Same Dimension

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



85.9737, 88.5428, 85.2335



84.4184, 86.5533, 81.2590



90.1256, 96.8465, 86.6174



18.6498, 19.2677, 18.8804



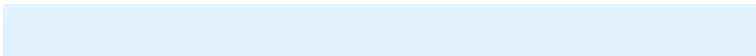
24.5661, 17.1435, 2.0142



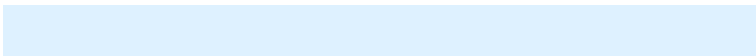
2.4978, 1.8809, 0.2314

Inverse Universe

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



81.7783, 87.6496, 107.2156



79.5204, 85.5102, 106.9217



77.8412, 79.7753, 105.9032



17.8645, 19.1005, 22.9952



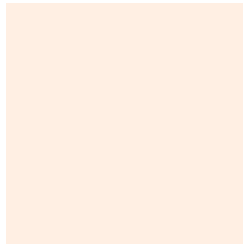
14.9268, 14.7632, 51.4974



1.5619, 1.6544, 5.0503

Previews

White Background



This preview shows how the XYZ color 85.9716, 88.5391, 85.2316 looks on a white background.

Color Contrast Check

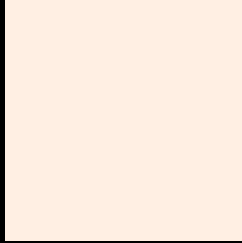
Large Text (above 18pt) WCAG AA × Fail

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 85.9716, 88.5391, 85.2316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

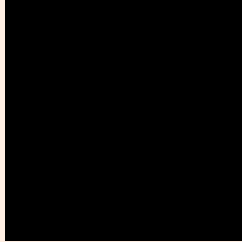
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.9716, 88.5391, 85.2316

Background



This preview shows how black text looks on a background with the XYZ color 85.9716, 88.5391, 85.2316.



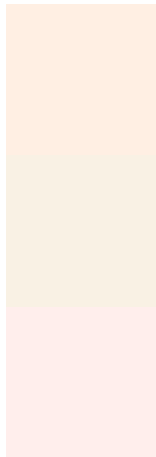
This preview shows how white text looks on a background with the XYZ color 85.9716, 88.5391,

85.2316.

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

85.9716, 88.5391, 85.2316

Protanopia

84.5258, 88.6518, 86.0553

Deuteranopia

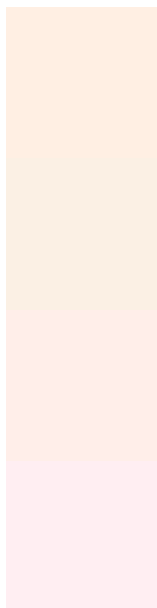
86.9549, 88.4652, 91.8494



Tritanopia

88.9368, 88.7934, 103.7182

Trichromacy



Original Color

85.9716, 88.5391, 85.2316

Protanomaly

84.9473, 88.4308, 85.9904

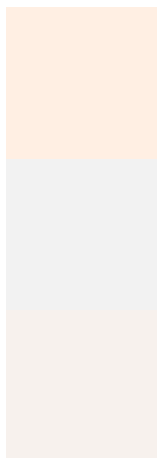
Deuteranomaly

86.5225, 88.2923, 89.5727

Tritanomaly

87.8415, 88.8199, 96.5186

Monochromacy



Original Color

85.9716, 88.5391, 85.2316

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

85.0991, 88.7992, 92.7755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.9716, 88.5391, 85.2316 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, 227) looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 227) }
```

Border

The CSS property to change the border of an element to XYZ 85.9716, 88.5391, 85.2316 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, 227) }
```


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

```
.border{ border-color:rgb(255, 239, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 85.9716, 88.5391, 85.2316 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, 227) }
```

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

```
.background{ background-color: rgb(255,  
239, 227) }
```

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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