

Converting Colors

XYZ(85.3183, 90.1299, 77.8658)

Have a look what the booklet for
XYZ(85.3183, 90.1299, 77.8658)
contains.

XYZ(85.3183, 90.1299, 77.8658)	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(85.3183, 90.1299,
77.8658)**

Conversions

Conversions Part 1

Format	Color
Hex	FEF3D8
RGB	254, 243, 216
RGB Percent	100%, 95%, 85%
CMY	0.0039, 0.0470, 0.1529
CMYK	0.00, 0.04, 0.15, 0.00
HSL	43°, 95%, 92%
HSV	43°, 15%, 100%
XYZ	85.3183, 90.1299, 77.8658
YIQ	243.2110, 15.2230, -6.0650

Conversions

Conversions Part 2

Format	Color
R _Y B	231, 254, 216
Decimal	16708568
CIE Lab	96.05, -0.65, 14.34
CIE LCh	96, 14.354, 92.611
Yxy	90.1299, 0.3368, 0.3558
Android (android.graphics.Color)	4294898648 (0xFFFEF3D8)
YUV	243.2110, -13.4150, 9.4620
Hunter-Lab	94.9368, -5.7240, 17.8269

Details

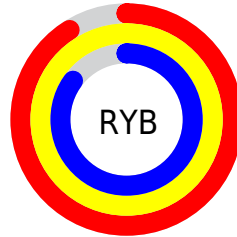
The XYZ color **85.3183, 90.1299, 77.8658** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.6771, 76.6912, 104.6863**, and the grayscale version is **85.4565, 89.9068, 97.9086**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2293, 49.9842, 40.8769** is the 20% darker color. If you saturate the color by 10%, you get **80.1304, 84.6087, 61.1686**, and if you desaturate by 10%, it is **91.1068, 96.0383, 97.2696**.

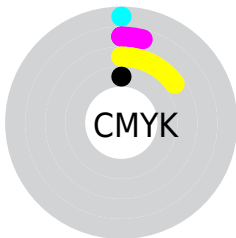
Distribution



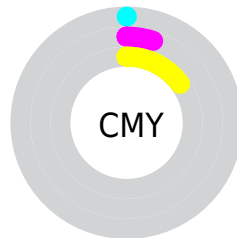
- Red (100%)
- Green (95%)
- Blue (85%)



- Red (91%)
- Yellow (100%)
- Blue (85%)



- Cyan (0%)
- Magenta (4%)
- Yellow (15%)
- Black (0%)



- Cyan (0%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.3183, 90.1299, 77.8658 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 85.3183, 90.1299, 77.8658 by changing the saturation by 10% instead.


 85.3183, 90.1299,
77.8658

 85.3183, 90.1299,
77.8658


501.1485,
528.4533, 507.2268

 64.4278, 68.0884,
57.4479


139.7295,
147.5188, 132.1451

 47.2602, 49.9696,
40.9532

173.9810,
183.6350, 166.8436

 33.4502, 35.3893,
27.9631


213.4168,
225.2116, 207.1394

 22.6325, 23.9629,
18.0591

258.4023,
272.6328, 253.4510

 14.4415, 15.3061,
10.8225

309.3029,
326.2833, 306.1970

 8.5122, 9.0345,
5.8350

366.4839,

 4.4789, 4.7637,

386.5472, 365.7960

2.6778

430.3106,
453.8091, 432.6664

■ 1.9765, 2.1093,
0.9322

■ 0.6207, 0.6698,
0.0000

■ 85.3183, 90.1299,
77.8658

■ 85.3183, 90.1299,
77.8658

■ 80.1304, 84.6087,
61.1686

■ 91.1068, 96.0383,
97.2696

■ 75.5114, 79.4513,
47.0494

94.6833, 99.8110,
108.8828

■ 71.4379, 74.6497,
35.3780

■ 67.8814, 70.1908,
26.0101

■ 64.8106, 66.0603,
18.7866

■ 62.1904, 62.2426,
13.5275

■ 59.9800, 58.7194,
10.0235

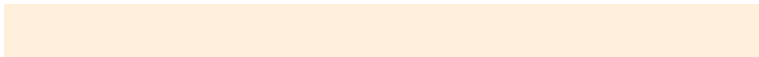
■ 58.1294, 55.4690,
8.0169

■ 57.2975, 53.9193,
7.3876

Harmonies

Analogous

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



89.2278, 90.1299, 79.9666



85.3183, 90.1299, 77.8658



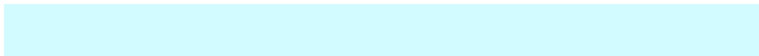
81.6150, 90.1299, 80.8390

Triad

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



85.3183, 90.1299, 77.8658



79.3916, 90.1299, 110.4036



92.6282, 90.1299, 108.5471

Complementary

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



85.3183, 90.1299, 77.8658



73.6771, 76.6912, 104.6863

Split Complementary

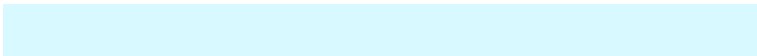
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8484, 90.1299, 117.7398



85.3183, 90.1299, 77.8658



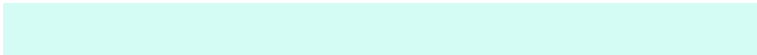
82.1998, 90.1299, 118.8684

Square

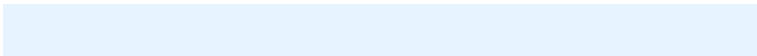
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.3183, 90.1299, 77.8658



78.2599, 90.1299, 99.1360



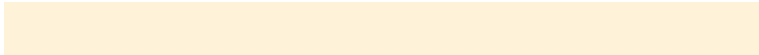
86.0142, 90.1299, 121.6504



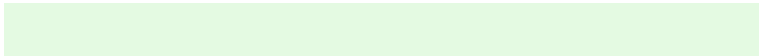
93.5247, 90.1299, 97.1430

Rectangle

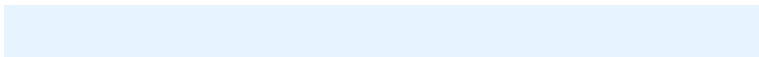
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.3183, 90.1299, 77.8658



79.7393, 90.1299, 85.4435



86.0142, 90.1299, 121.6504



91.8789, 90.1299, 112.0274

Sweetspot

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



85.3207, 90.1339, 77.8677



92.5166, 97.4918, 100.1679



79.3503, 75.7519, 83.4033



19.7028, 20.7678, 21.0995



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

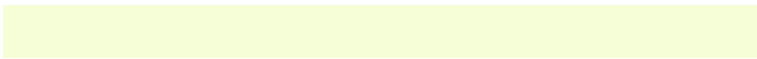
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3207, 90.1339, 77.8677



84.4297, 89.2058, 73.1550



85.9838, 95.5075, 78.8700



19.0912, 20.1505, 19.0276



30.3409, 28.6930, 3.9392



3.0482, 2.9817, 0.4149

Inverse Universe

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



73.6771, 76.6912, 104.6863



70.5953, 73.2349, 105.0227



73.0630, 72.0522, 103.8232



17.4311, 18.2338, 22.8507



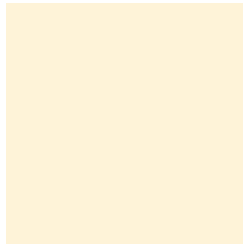
10.8137, 6.5370, 50.1264



1.1419, 0.8145, 4.9103

Previews

White Background



This preview shows how the XYZ color 85.3183, 90.1299, 77.8658 looks on a white background.

Color Contrast Check

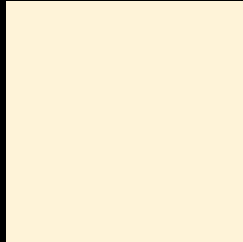
Large Text (above 18pt) WCAG AA × Fail

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 85.3183, 90.1299, 77.8658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

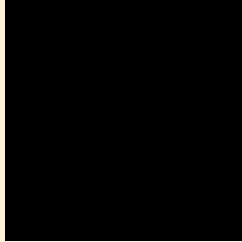
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.3183, 90.1299, 77.8658

Background



This preview shows how black text looks on a background with the XYZ color 85.3183, 90.1299, 77.8658.



This preview shows how white text looks on a background with the XYZ color 85.3183, 90.1299,

77.8658.

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

85.3183, 90.1299, 77.8658

Protanopia

85.3183, 90.1299, 77.8658

Deuteranopia

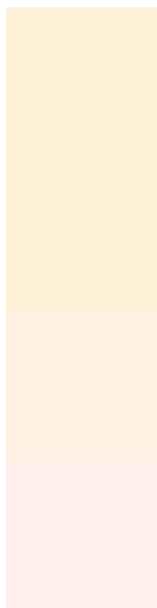
87.8356, 90.2267, 92.1429



Tritanopia

89.6772, 90.0213, 104.7448

Trichromacy



Original Color

85.3183, 90.1299, 77.8658

Protanomaly

85.3183, 90.1299, 77.8658

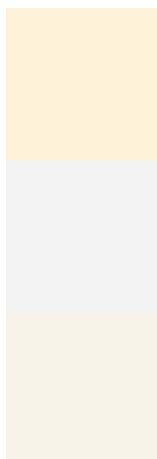
Deuteranomaly

87.1350, 90.4214, 86.9893

Tritanomaly

87.9801, 89.8122, 94.3598

Monochromacy



Original Color

85.3183, 90.1299, 77.8658

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.1163, 89.7585, 89.9298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.3183, 90.1299, 77.8658 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(254, 243, 216) looks like.

```
.text, #text, p{  
    color:rgb(254, 243, 216)  
}
```

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(254, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 243, 216) }
```

Border

The CSS property to change the border of an element to XYZ 85.3183, 90.1299, 77.8658 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(254, 243, 216) }
```


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

```
.border{ border-color:rgb(254, 243, 216) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(254, 243, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(254, 243,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 85.3183, 90.1299, 77.8658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 243, 216) }
```

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

```
.background{ background-color: rgb(254,  
243, 216) }
```

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