

Converting Colors

XYZ(85.5304, 90.0078, 80.3111)

Have a look what the booklet for
XYZ(85.5304, 90.0078, 80.3111)
contains.

XYZ(85.8419, 90.3393, 80.6230) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(85.8419, 90.3393,
80.6230)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FEF3DC |
| RGB | 254, 243, 220 |
| RGB Percent | 100%, 95%, 86% |
| CMY | 0.0039, 0.0470, 0.1372 |
| CMYK | 0.00, 0.04, 0.13, 0.00 |
| HSL | 41°, 94%, 93% |
| HSV | 41°, 13%, 100% |
| XYZ | 85.8419, 90.3393, 80.6230 |
| YIQ | 243.6670, 13.9390, -4.8210 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 236, 254, 220 |
| Decimal | 16708572 |
| CIE Lab | 96.14, -0.04, 12.40 |
| CIE LCh | 96, 12.402, 90.198 |
| Yxy | 90.3393, 0.3343, 0.3518 |
| Android (android.graphics.Color) | 4294898652 (0xFFFEF3DC) |
| YUV | 243.6670, -11.6678, 9.0620 |
| Hunter-Lab | 95.0470, -5.1196, 16.2405 |

Details

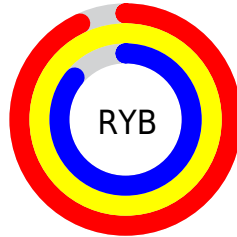
The XYZ color **85.8419, 90.3393, 80.6230** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **75.9803, 79.5217, 105.1114**, and the grayscale version is **85.8075, 90.2762, 98.3107**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5878, 50.1276, 42.7648** is the 20% darker color. If you saturate the color by 10%, you get **80.3276, 84.2909, 63.4300**, and if you desaturate by 10%, it is **91.9823, 96.8202, 100.5484**.

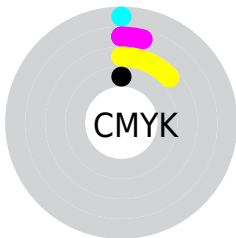
Distribution



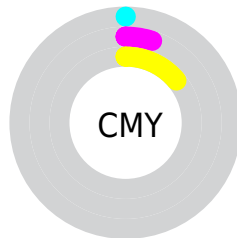
- Red (100%)
- Green (95%)
- Blue (86%)



- Red (93%)
- Yellow (100%)
- Blue (86%)



- Cyan (0%)
- Magenta (4%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.8419, 90.3393, 80.6230 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 85.8419, 90.3393, 80.6230 by changing the saturation by 10% instead.


 85.8419, 90.3393,
80.6230

 85.8419, 90.3393,
80.6230


502.8516,
529.1340, 516.7919

 64.8621, 68.2621,
59.7020


140.4568,
147.8096, 136.0606

 47.6135, 50.1110,
42.7547


174.8226,
183.9715, 171.4142

 33.7309, 35.5016,
29.3627


214.3811,
225.5971, 212.4158

 22.8489, 24.0495,
19.1075

259.4977,
273.0707, 259.4839

 14.6020, 15.3704,
11.5704

310.5376,
326.7768, 313.0370

 8.6251, 9.0797,
6.3329

367.8664,

 4.5526, 4.7932,

387.0998, 373.4937

2.9765

431.8492,
454.4241, 441.2725

■ 2.0192, 2.1265,
1.0826

■ 0.6447, 0.6794,
0.0000

■ 85.8419, 90.3393,
80.6230

■ 85.8419, 90.3393,
80.6230

■ 80.3276, 84.2909,
63.4300

■ 91.9823, 96.8202,
100.5484

■ 75.4076, 78.6509,
48.8422

94.6834, 99.8110,
108.8828

■ 71.0582, 73.4105,
36.7306

■ 67.2510, 68.5560,
26.9530

■ 63.9548, 64.0725,
19.3527

■ 61.1347, 59.9435,
13.7534

■ 58.7504, 56.1506,
9.9511

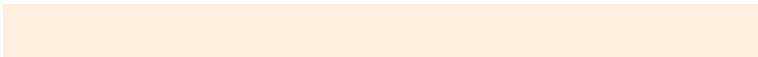
■ 56.7533, 52.6715,
7.6976

■ 55.5995, 50.5232,
6.8215

Harmonies

Analogous

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



89.1918, 90.3393, 82.8354



85.8419, 90.3393, 80.6230



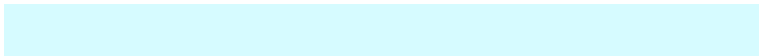
82.5829, 90.3393, 82.8938

Triad

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



85.8419, 90.3393, 80.6230



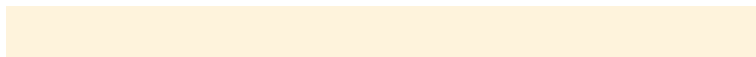
80.2779, 90.3393, 108.1962



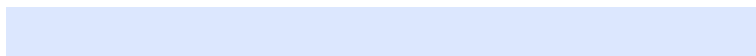
91.7290, 90.3393, 108.0752

Complementary

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



85.8419, 90.3393, 80.6230



75.9803, 79.5217, 105.1114

Split Complementary

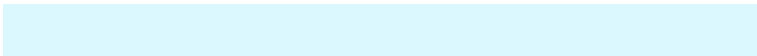
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2325, 90.3393, 115.6486



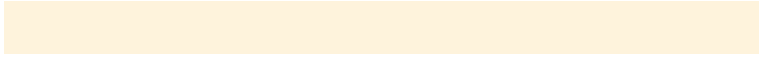
85.8419, 90.3393, 80.6230



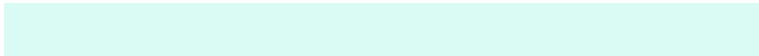
82.6215, 90.3393, 115.7216

Square

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



85.8419, 90.3393, 80.6230



79.4233, 90.3393, 98.4297



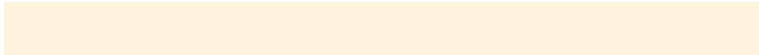
85.8877, 90.3393, 118.5338



92.6455, 90.3393, 98.2986

Rectangle

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



85.8419, 90.3393, 80.6230



80.8863, 90.3393, 86.7375



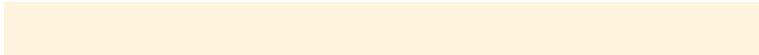
85.8877, 90.3393, 118.5338



91.0435, 90.3393, 110.9859

Sweetspot

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



85.8443, 90.3433, 80.6249



92.4076, 97.2738, 100.1315



80.9382, 78.0468, 86.6482



19.6752, 20.7125, 21.0903



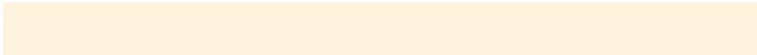
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

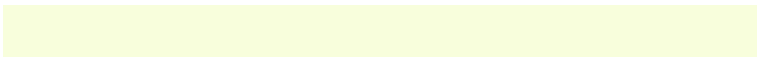
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8443, 90.3433, 80.6249



85.0976, 89.5141, 76.5451



87.1907, 96.0693, 81.6592



19.0370, 20.0422, 19.0095



29.4522, 26.9156, 3.6429



2.9669, 2.8192, 0.3878

Inverse Universe

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



75.9803, 79.5217, 105.1114



73.4170, 76.7003, 105.5429



74.7433, 74.4584, 104.1992



17.4826, 18.3368, 22.8679



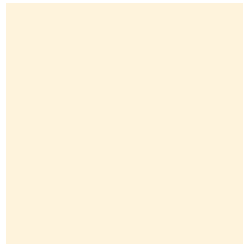
11.1458, 7.2013, 50.2371



1.1795, 0.8896, 4.9228

Previews

White Background



This preview shows how the XYZ color 85.8419, 90.3393, 80.6230 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 85.8419, 90.3393, 80.6230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

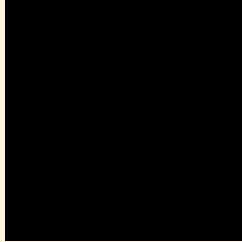
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.8419, 90.3393, 80.6230

Background



This preview shows how black text looks on a background with the XYZ color 85.8419, 90.3393, 80.6230.



This preview shows how white text looks on a background with the XYZ color 85.8419, 90.3393,

80.6230.

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

85.8419, 90.3393, 80.6230

Protanopia

85.8419, 90.3393, 80.6230

Deuteranopia

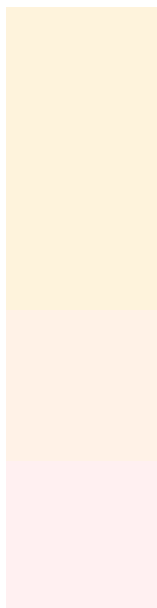
87.9814, 90.2850, 92.9104



Tritanopia

89.8361, 90.0849, 105.5817

Trichromacy



Original Color

85.8419, 90.3393, 80.6230

Protanomaly

85.8419, 90.3393, 80.6230

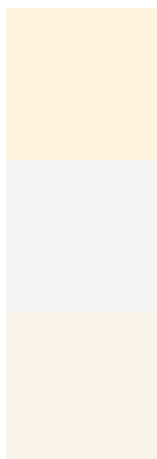
Deuteranomaly

87.4159, 90.5338, 88.4688

Tritanomaly

88.2773, 89.9311, 95.9248

Monochromacy



Original Color

85.8419, 90.3393, 80.6230

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

86.0575, 90.6560, 91.5599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.8419, 90.3393, 80.6230 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, 220) looks like.

```
.text, #text, p{  
    color:rgb(254, 243, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 243, 220) }
```

Border

The CSS property to change the border of an element to XYZ 85.8419, 90.3393, 80.6230 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, 220) }
```


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

```
.border{ border-color:rgb(254, 243, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 243, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 243, 220);  
box-shadow:4px 4px 4px 4px rgb(254, 243,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 85.8419, 90.3393, 80.6230 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, 220) }
```

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

```
.background{ background-color: rgb(254,  
243, 220) }
```

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