

Converting Colors

XYZ(83.6061, 91.1243, 63.4814)

Have a look what the booklet for
XYZ(83.6061, 91.1243, 63.4814)
contains.

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Color

**XYZ(83.4545, 90.8326,
63.5860)**

Conversions

Conversions Part 1

Format	Color
Hex	FEF6C1
RGB	254, 246, 193
RGB Percent	100%, 96%, 76%
CMY	0.0039, 0.0353, 0.2431
CMYK	0.00, 0.03, 0.24, 0.00
HSL	52°, 97%, 88%
HSV	52°, 24%, 100%
XYZ	83.4545, 90.8326, 63.5860
YIQ	242.3500, 21.7810, -14.7870

Conversions

Conversions Part 2

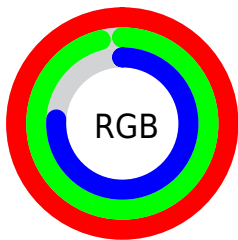
Format	Color
R _Y B	202, 254, 193
Decimal	16709313
CIE Lab	96.34, -5.44, 26.52
CIE LCh	96, 27.072, 101.600
Yxy	90.8326, 0.3508, 0.3819
Android (android.graphics.Color)	4294899393 (0xFFFEF6C1)
YUV	242.3500, -24.3295, 10.2171
Hunter-Lab	95.3061, -10.4828, 27.1574

Details

The XYZ color **83.4545, 90.8326, 63.5860** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.7682, 60.2652, 102.1960**, and the grayscale version is **84.8520, 89.2710, 97.2161**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **46.0996, 50.5613, 31.7557** is the 20% darker color. If you saturate the color by 10%, you get **79.8583, 87.7916, 49.5882**, and if you desaturate by 10%, it is **87.5603, 94.1128, 80.1566**.

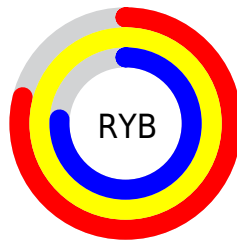
Distribution



Red (100%)

Green (96%)

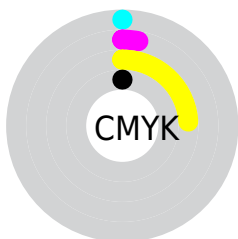
Blue (76%)



Red (79%)

Yellow (100%)

Blue (76%)

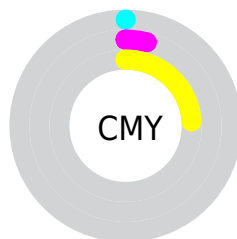


Cyan (0%)

Magenta (3%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.4545, 90.8326, 63.5860 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 83.4545, 90.8326, 63.5860 by changing the saturation by 10% instead.


 83.4545, 90.8326,
63.5860

 83.4545, 90.8326,
63.5860


495.0610,
530.7356, 455.8594

 62.8833, 68.6714,
45.8714


 137.1371,
148.4944, 111.6082

 46.0051, 50.4441,
31.7964


170.9792,
184.7637, 142.7529

 32.4545, 35.7664,
20.9425


209.9757,
226.5046, 179.2114

 21.8661, 24.2539,
12.8912

254.4919,
274.1014, 221.4022

 13.8746, 15.5220,
7.2238

304.8932,
327.9385, 269.7439

 8.1146, 9.1866,
3.5219

361.5449,

 4.2208, 4.8631,

388.4003, 324.6549

1.3669

424.8124,
455.8712, 386.5539

■ 1.8278, 2.1672,
0.1157

■ 0.5343, 0.7020,
0.0000

■ 83.4545, 90.8326,
63.5860

■ 83.4545, 90.8326,
63.5860

■ 79.8583, 87.7916,
49.5882

■ 87.5603, 94.1128,
80.1566

■ 76.7396, 84.9673,
38.0265

■ 92.1917, 97.6292,
99.4159

■ 74.0736, 82.3529,
28.7602

■ 94.6833, 99.8110,
108.8828

■ 71.8304, 79.9361,
21.6320

■ 69.9763, 77.7034,
16.4647

■ 68.4719, 75.6389,
13.0525

■ 67.2696, 73.7234,
11.1441

■ 66.6537, 72.6318,
10.5063

Harmonies

Analogous

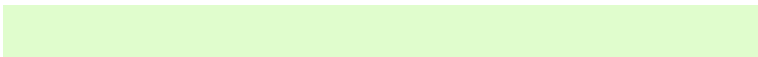
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9854, 90.8326, 64.5390



83.4545, 90.8326, 63.5860



77.0722, 90.8326, 71.0183

Triad

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



83.4545, 90.8326, 63.5860



75.9518, 90.8326, 129.0689



100.8155, 90.8326, 112.5771

Complementary

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



83.4545, 90.8326, 63.5860



60.7682, 60.2652, 102.1960

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.



96.3089, 90.8326, 133.2668



83.4545, 90.8326, 63.5860



81.8433, 90.8326, 143.7013

Square

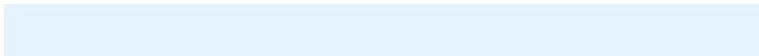
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4545, 90.8326, 63.5860



72.9118, 90.8326, 107.4769



89.2783, 90.8326, 145.3405



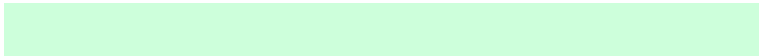
101.3092, 90.8326, 90.7943

Rectangle

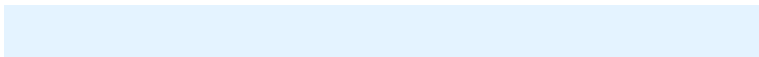
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.4545, 90.8326, 63.5860



74.2122, 90.8326, 80.4593



89.2783, 90.8326, 145.3405



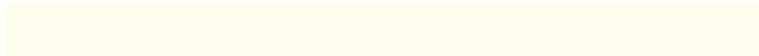
99.7080, 90.8326, 119.9656

Sweetspot

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



83.4569, 90.8367, 63.5879



91.5662, 97.4197, 94.2135



70.5023, 63.4353, 63.8702



19.5374, 20.8054, 19.9084



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

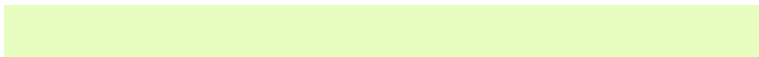
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4569, 90.8367, 63.5879



82.3314, 90.0897, 56.7927



78.2281, 91.8291, 64.0551



19.3462, 20.6606, 19.1126



35.2187, 38.4486, 5.5651



3.4832, 3.8517, 0.5599

Inverse Universe

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



60.7682, 60.2652, 102.1960



55.6923, 54.1989, 102.1339



65.0925, 59.7996, 101.8782



17.1949, 17.7614, 22.7720



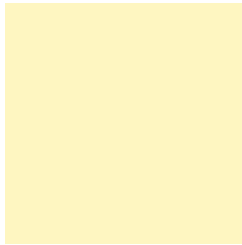
9.7805, 4.4706, 49.7820



1.0090, 0.5487, 4.8660

Previews

White Background



This preview shows how the XYZ color 83.4545, 90.8326, 63.5860 looks on a white background.

Color Contrast Check

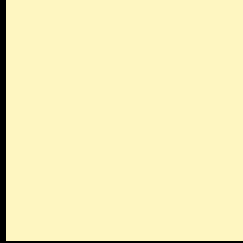
Large Text (above 18pt) WCAG AA × Fail

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 83.4545, 90.8326, 63.5860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

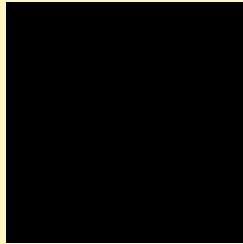
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.4545, 90.8326, 63.5860

Background



This preview shows how black text looks on a background with the XYZ color 83.4545, 90.8326, 63.5860.



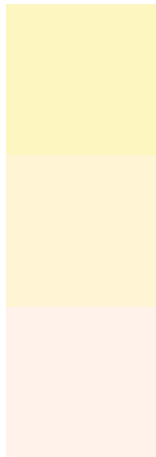
This preview shows how white text looks on a background with the XYZ color 83.4545, 90.8326,

63.5860.

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

83.4545, 90.8326, 63.5860

Protanopia

85.4743, 90.7148, 75.2921

Deuteranopia

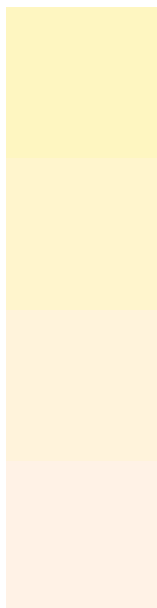
87.8434, 90.7048, 90.7198



Tritanopia

89.8127, 90.5452, 104.0101

Trichromacy



Original Color

83.4545, 90.8326, 63.5860

Protanomaly

84.9119, 90.9726, 70.8417

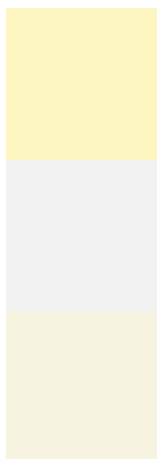
Deuteranomaly

86.0768, 90.4757, 79.9446

Tritanomaly

87.2751, 90.4774, 87.7269

Monochromacy



Original Color

83.4545, 90.8326, 63.5860

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.5112, 89.0758, 83.3129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.4545, 90.8326, 63.5860 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, 246, 193)` looks like.

```
.text, #text, p{  
    color:rgb(254, 246, 193)  
}
```

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, 246, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 246, 193) }
```

Border

The CSS property to change the border of an element to XYZ 83.4545, 90.8326, 63.5860 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, 246, 193) }
```


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

```
.border{ border-color:rgb(254, 246, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 246, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 246, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 246, 193);  
box-shadow:4px 4px 4px 4px rgb(254, 246,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 83.4545, 90.8326, 63.5860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 246, 193) }
```

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

```
.background{ background-color: rgb(254,  
246, 193) }
```

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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