

Converting Colors

XYZ(85.8638, 90.5611, 88.6900)

Have a look what the booklet for
XYZ(85.8638, 90.5611, 88.6900)
contains.

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Color

**XYZ(85.8414, 90.6106,
88.5666)**

Conversions

Conversions Part 1

Format	Color
Hex	F9F4E7
RGB	249, 244, 231
RGB Percent	98%, 96%, 91%
CMY	0.0235, 0.0431, 0.0941
CMYK	0.00, 0.02, 0.07, 0.02
HSL	43°, 60%, 94%
HSV	43°, 7%, 98%
XYZ	85.8414, 90.6106, 88.5666
YIQ	244.0130, 7.1530, -2.9830

Conversions

Conversions Part 2

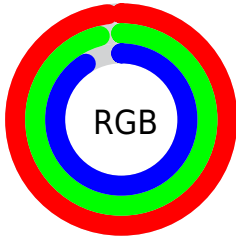
Format	Color
R _Y B	238, 249, 231
Decimal	16381159
CIE Lab	96.25, -0.53, 6.84
CIE LCh	96, 6.859, 94.409
Yxy	90.6106, 0.3239, 0.3419
Android (android.graphics.Color)	4294571239 (0xFFFF9F4E7)
YUV	244.0130, -6.4154, 4.3736
Hunter-Lab	95.1896, -5.6116, 11.4679

Details

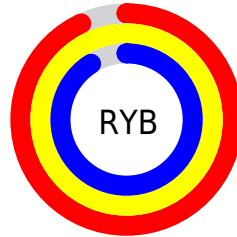
The XYZ color **85.8414, 90.6106, 88.5666** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.0493, 83.8181, 101.5830**, and the grayscale version is **86.0473, 90.5285, 98.5855**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.7134, 50.3990, 47.7707** is the 20% darker color. If you saturate the color by 10%, you get **80.5322, 85.2249, 70.6629**, and if you desaturate by 10%, it is **91.5884, 96.3021, 108.3687**.

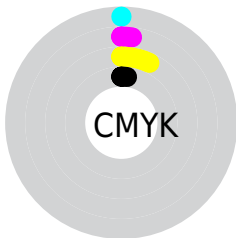
Distribution



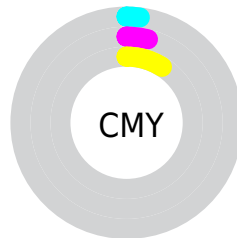
- Red (98%)
- Green (96%)
- Blue (91%)



- Red (93%)
- Yellow (98%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (2%)





- Cyan (2%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.8414, 90.6106, 88.5666 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 85.8414, 90.6106, 88.5666 by changing the saturation by 10% instead.


 85.8414, 90.6106,
88.5666

 85.8414, 90.6106,
88.5666


502.8499,
530.0151, 543.8063

 64.8617, 68.4872,
66.2254


140.4561,
148.1863, 147.2638

 47.6132, 50.2942,
47.9978


174.8218,
184.4073, 184.4569

 33.7306, 35.6472,
33.4651


214.3802,
226.0963, 227.4377

 22.8487, 24.1618,
22.2090

259.4966,
273.6377, 276.6247

 14.6019, 15.4537,
13.8108

310.5364,
327.4159, 332.4366

 8.6249, 9.1384,
7.8519

367.8650,

 4.5525, 4.8316,

387.8153, 395.2917

3.9139

431.8478,
455.2202, 465.6088

■ 2.0192, 2.1488,
1.5782

■ 0.6447, 0.6919,
0.2752

■ 85.8414, 90.6106,
88.5666

■ 85.8414, 90.6106,
88.5666

■ 80.5322, 85.2249,
70.6629

■ 91.5884, 96.3021,
108.3687

■ 75.7769, 80.1812,
55.3072

■ 92.8774, 98.8800,
108.7983

■ 71.5549, 75.4728,
42.3829

■ 67.8407, 71.0883,
31.7614

■ 64.6071, 67.0151,
23.3028

■ 61.8236, 63.2398,
16.8513

■ 59.4558, 59.7471,
12.2306

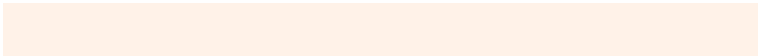
■ 57.4634, 56.5193,
9.2330

■ 55.7948, 53.5343,
7.5906

Harmonies

Analogous

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



87.7144, 90.6106, 89.4985



85.8414, 90.6106, 88.5666



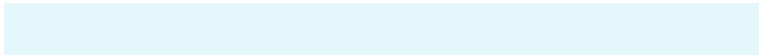
84.0695, 90.6106, 90.2563

Triad

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



85.8414, 90.6106, 88.5666



83.1362, 90.6106, 104.7064



89.4683, 90.6106, 103.2600

Complementary

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



85.8414, 90.6106, 88.5666



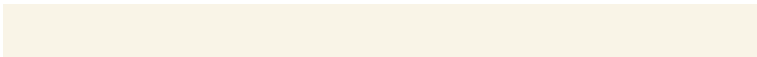
80.0493, 83.8181, 101.5830

Split Complementary

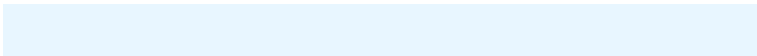
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.2090, 90.6106, 107.5688



85.8414, 90.6106, 88.5666



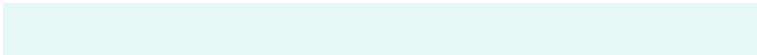
84.5503, 90.6106, 108.4253

Square

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



85.8414, 90.6106, 88.5666



82.5224, 90.6106, 99.4681



86.4045, 90.6106, 109.4915



89.8262, 90.6106, 97.8554

Rectangle

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



85.8414, 90.6106, 88.5666



83.1785, 90.6106, 92.6800



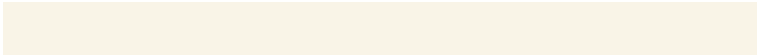
86.4045, 90.6106, 109.4915



89.1354, 90.6106, 104.8909

Sweetspot

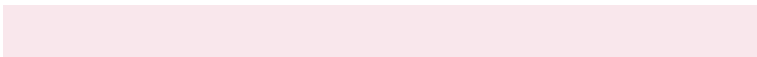
The Sweet Spot groups the original color and five complimentary colors.



85.8439, 90.6146, 88.5686



93.7898, 98.7761, 104.4827



82.7989, 83.3549, 91.1595



20.0881, 21.1551, 22.4099



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

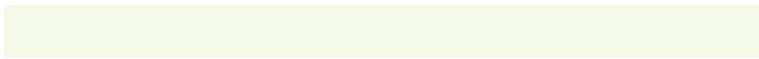
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8439, 90.6146, 88.5686



89.5743, 94.6124, 89.9221



85.9917, 92.9525, 89.0120



18.2963, 19.3285, 18.2289



29.7628, 28.4823, 3.9290



2.8455, 2.8159, 0.3936

Inverse Universe

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



80.0493, 83.8181, 101.5830



82.0417, 85.7776, 106.8404



79.9040, 81.6379, 101.1698



16.6751, 17.4270, 21.8702



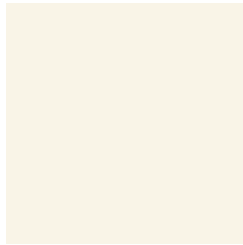
10.3973, 6.1501, 48.6126



1.0479, 0.7395, 4.5307

Previews

White Background



This preview shows how the XYZ color 85.8414, 90.6106, 88.5666 looks on a white background.

Color Contrast Check

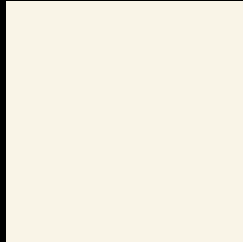
Large Text (above 18pt) WCAG AA × Fail

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 85.8414, 90.6106, 88.5666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

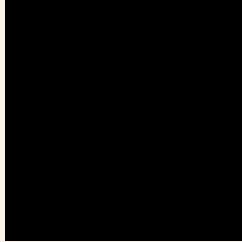
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.8414, 90.6106, 88.5666

Background



This preview shows how black text looks on a background with the XYZ color 85.8414, 90.6106, 88.5666.



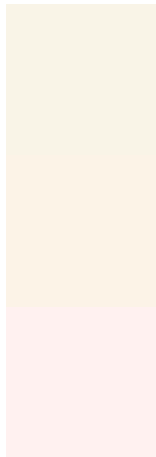
This preview shows how white text looks on a background with the XYZ color 85.8414, 90.6106,

88.5666.

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

85.8414, 90.6106, 88.5666

Protanopia

86.6193, 90.5662, 88.5170

Deuteranopia

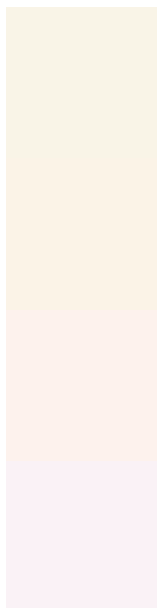
88.4235, 90.4619, 95.2385



Tritanopia

89.2890, 90.6398, 107.3969

Trichromacy



Original Color

85.8414, 90.6106, 88.5666

Protanomaly

86.2581, 90.3799, 88.5001

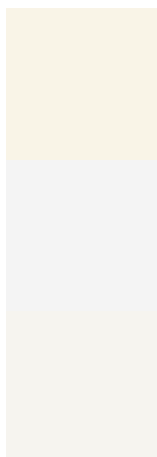
Deuteranomaly

87.5462, 90.5013, 92.9751

Tritanomaly

87.8110, 90.4821, 100.0254

Monochromacy



Original Color

85.8414, 90.6106, 88.5666

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.9367, 90.5262, 94.6053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.8414, 90.6106, 88.5666 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(249, 244, 231)` looks like.

```
.text, #text, p{  
    color:rgb(249, 244, 231)  
}
```

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(249, 244, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 244, 231) }
```

Border

The CSS property to change the border of an element to XYZ 85.8414, 90.6106, 88.5666 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(249, 244, 231) }
```


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

```
.border{ border-color:rgb(249, 244, 231) }
```

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

Here you see how a box with a 4 pixel rgb(249, 244, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 244, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 244, 231);  
box-shadow:4px 4px 4px 4px rgb(249, 244,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 85.8414, 90.6106, 88.5666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 244, 231) }
```

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

```
.background{ background-color: rgb(249,  
244, 231) }
```

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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