

Converting Colors

XYZ(84.4546, 87.8359, 77.5404)

Have a look what the booklet for
XYZ(84.4546, 87.8359, 77.5404)
contains.

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Color

**XYZ(84.5012, 87.9509,
77.4883)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEFD8
RGB	255, 239, 216
RGB Percent	100%, 94%, 85%
CMY	0.0000, 0.0627, 0.1529
CMYK	0.00, 0.06, 0.15, 0.00
HSL	35°, 100%, 92%
HSV	35°, 15%, 100%
XYZ	84.5012, 87.9509, 77.4883
YIQ	241.1620, 16.9190, -3.7610

Conversions

Conversions Part 2

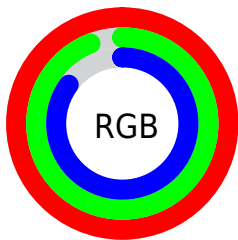
Format	Color
R_{YB}	243, 255, 216
Decimal	16773080
CIE Lab	95.14, 1.73, 13.06
CIE LCh	95, 13.173, 82.474
Yxy	87.9509, 0.3381, 0.3519
Android (android.graphics.Color)	4294963160 (0xFFFFEFD8)
YUV	241.1620, -12.4049, 12.1359
Hunter-Lab	93.7821, -3.2836, 16.6586

Details

The XYZ color **84.5012, 87.9509, 77.4883** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.2248, 79.5300, 105.9938**, and the grayscale version is **83.8238, 88.1891, 96.0380**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6552, 48.4459, 40.6102** is the 20% darker color. If you saturate the color by 10%, you get **78.4837, 80.7887, 60.4605**, and if you desaturate by 10%, it is **91.2116, 95.6796, 97.2733**.

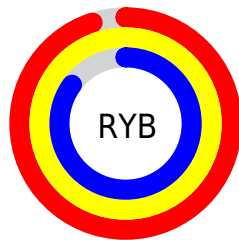
Distribution



Red (100%)

Green (94%)

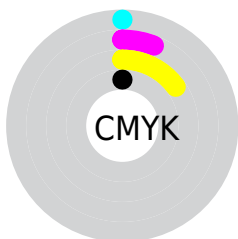
Blue (85%)



Red (95%)

Yellow (100%)

Blue (85%)

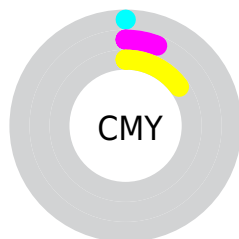


Cyan (0%)

Magenta (6%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.5012, 87.9509, 77.4883 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 84.5012, 87.9509, 77.4883 by changing the saturation by 10% instead.


 84.5012, 87.9509,
77.4883

 84.5012, 87.9509,
77.4883


498.4847,
521.3424, 505.9091

 63.7504, 66.2824,
57.1398


138.5937,
144.4888, 131.6078

 46.7095, 48.5017,
40.7074


172.6661,
180.1270, 166.2159

 33.0130, 34.2244,
27.7725


211.9098,
221.1905, 206.4143

 22.2957, 23.0660,
17.9167

256.6901,
268.0638, 252.6215

 14.1922, 14.6423,
10.7214

307.3724,
321.1313, 305.2560

 8.3370, 8.5687,
5.7680

364.3220,

 4.3650, 4.4609,

380.7773, 364.7364

2.6380

427.9043,
447.3862, 431.4813

■ 1.9106, 1.9346,
0.9120

■ 0.5830, 0.5691,
0.0000

■ 84.5012, 87.9509,
77.4883

■ 84.5012, 87.9509,
77.4883

■ 78.4837, 80.7887,
60.4605

■ 91.2116, 95.6796,
97.2733

■ 73.1265, 74.1664,
46.0596

95.0500, 100.0000,
108.9000

■ 68.4033, 68.0715,
34.1527

■ 64.2833, 62.4867,
24.5932

■ 60.7326, 57.3934,
17.2190

■ 57.7133, 52.7711,
11.8469

■ 55.1819, 48.5968,
8.2636

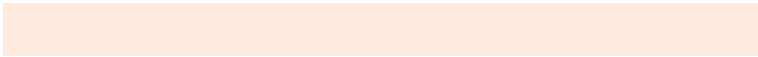
■ 53.0848, 44.8435,
6.2057

■ 52.2136, 43.2072,
5.5879

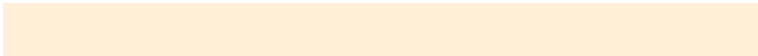
Harmonies

Analogous

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



87.8659, 87.9509, 80.9392



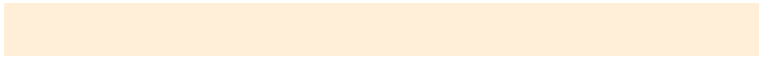
84.5012, 87.9509, 77.4883



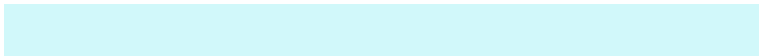
80.9863, 87.9509, 78.6487

Triad

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



84.5012, 87.9509, 77.4883



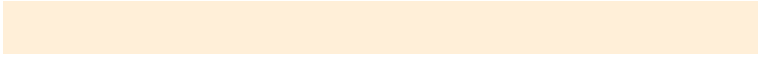
77.3830, 87.9509, 103.5131



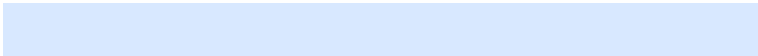
89.1838, 87.9509, 108.3043

Complementary

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



84.5012, 87.9509, 77.4883



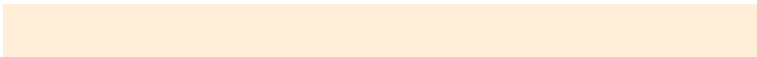
75.2248, 79.5300, 105.9938

Split Complementary

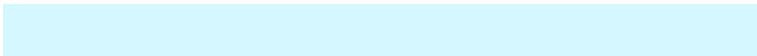
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.2585, 87.9509, 115.1970



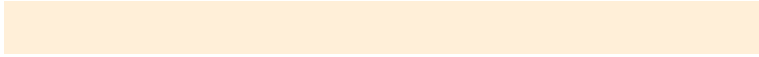
84.5012, 87.9509, 77.4883



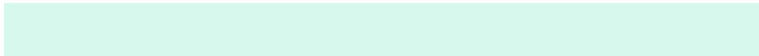
79.4641, 87.9509, 112.2958

Square

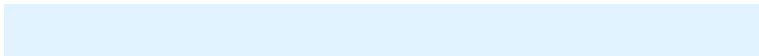
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5012, 87.9509, 77.4883



76.9428, 87.9509, 93.2000



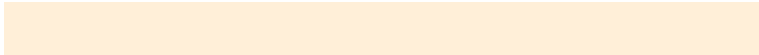
82.6947, 87.9509, 116.7076



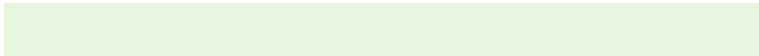
90.6193, 87.9509, 98.3738

Rectangle

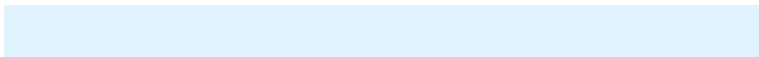
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5012, 87.9509, 77.4883



79.0241, 87.9509, 81.9227



82.6947, 87.9509, 116.7076



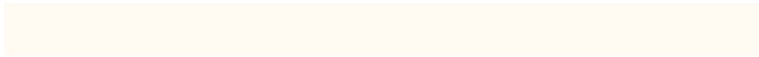
88.3382, 87.9509, 111.0817

Sweetspot

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



84.5032, 87.9546, 77.4902



91.4191, 95.9148, 97.8965



80.3975, 76.2132, 87.0043



19.4613, 20.4093, 20.6353



0.0000, 0.0000, 0.0000



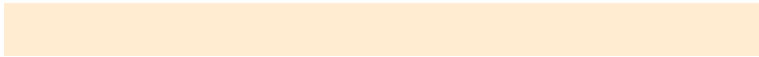
20.3446, 21.4041, 23.3091

Same Dimension

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



84.5032, 87.9546, 77.4902



82.8071, 85.9605, 72.6142



88.2094, 97.1268, 79.0652



18.9001, 19.7683, 18.9639



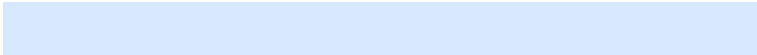
27.4333, 22.8779, 2.9700



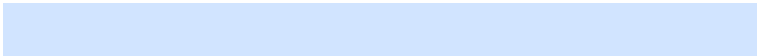
2.7787, 2.4427, 0.3250

Inverse Universe

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



75.2248, 79.5300, 105.9938



72.0954, 76.2351, 105.5227



71.8956, 71.4318, 104.6062



17.6148, 18.6012, 22.9119



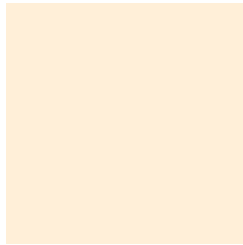
12.1869, 9.2833, 50.5841



1.2909, 1.1125, 4.9600

Previews

White Background



This preview shows how the XYZ color 84.5012, 87.9509, 77.4883 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 84.5012, 87.9509, 77.4883 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 84.5012, 87.9509, 77.4883

Background



This preview shows how black text looks on a background with the XYZ color 84.5012, 87.9509, 77.4883.



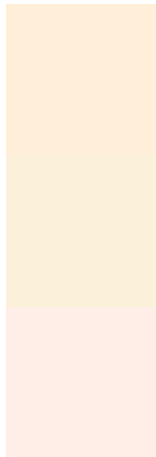
This preview shows how white text looks on a background with the XYZ color 84.5012, 87.9509,

77.4883.

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

84.5012, 87.9509, 77.4883

Protanopia

83.4681, 87.8392, 78.2011

Deuteranopia

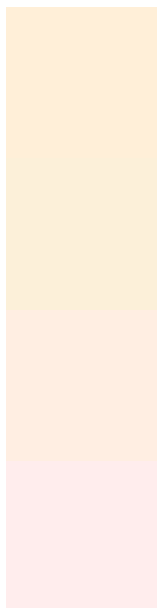
86.3800, 88.2353, 88.8223



Tritanopia

88.3343, 88.0905, 101.9700

Trichromacy



Original Color

84.5012, 87.9509, 77.4883

Protanomaly

83.8294, 88.0254, 78.2180

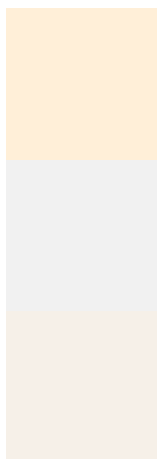
Deuteranomaly

85.5420, 87.9001, 84.4094

Tritanomaly

86.8102, 87.9428, 92.5200

Monochromacy



Original Color

84.5012, 87.9509, 77.4883

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.7316, 87.7392, 88.8662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.5012, 87.9509, 77.4883 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, 216) looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 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(255, 239, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 216) }
```

Border

The CSS property to change the border of an element to XYZ 84.5012, 87.9509, 77.4883 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, 216) }
```


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

```
.border{ border-color:rgb(255, 239, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 239, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 239, 216); box-shadow:4px 4px 4px 4px rgb(255, 239, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 84.5012, 87.9509, 77.4883 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, 216) }
```

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

```
.background{ background-color: rgb(255,  
239, 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](#).

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