

Converting Colors

XYZ(89.5490, 90.7430, 86.0657)

Have a look what the booklet for
XYZ(89.5490, 90.7430, 86.0657)
contains.

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Color

**XYZ(86.4037, 89.1816,
86.0586)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0E4
RGB	255, 240, 228
RGB Percent	100%, 94%, 89%
CMY	0.0000, 0.0588, 0.1059
CMYK	0.00, 0.06, 0.11, 0.00
HSL	27°, 100%, 95%
HSV	27°, 11%, 100%
XYZ	86.4037, 89.1816, 86.0586
YIQ	243.1170, 12.7920, -0.5520

Conversions

Conversions Part 2

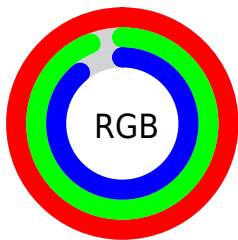
Format	Color
R_{YB}	255, 250, 228
Decimal	16773348
CIE _{Lab}	95.66, 3.08, 7.59
CIE _{LCh}	96, 8.196, 67.908
Yxy	89.1816, 0.3302, 0.3409
Android (android.graphics.Color)	4294963428 (0xFFFFF0E4)
YUV	243.1170, -7.4527, 10.4214
Hunter-Lab	94.4360, -1.9454, 12.0748

Details

The XYZ color **86.4037, 89.1816, 86.0586** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.0948, 87.8129, 107.2305**, and the grayscale version is **85.3367, 89.7808, 97.7713**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.9720, 49.3039, 46.5234** is the 20% darker color. If you saturate the color by 10%, you get **79.1142, 79.8561, 67.4331**, and if you desaturate by 10%, it is **94.5448, 99.3741, 107.5462**.

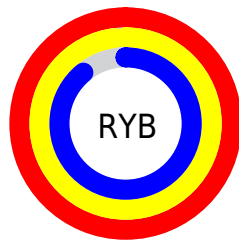
Distribution



Red (100%)

Green (94%)

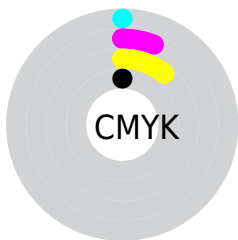
Blue (89%)



Red (100%)

Yellow (98%)

Blue (89%)

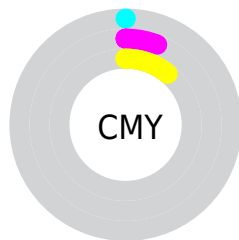


Cyan (0%)

Magenta (6%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.4037, 89.1816, 86.0586 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 86.4037, 89.1816, 86.0586 by changing the saturation by 10% instead.


 86.4037, 89.1816,
86.0586

 86.4037, 89.1816,
86.0586


504.6754,
525.3650, 535.3601

 65.3282, 67.3021,
64.1613


141.2366,
146.2011, 143.7385

 47.9930, 49.3301,
46.3343


175.7248,
182.1098, 180.3582

 34.0326, 34.8814,
32.1591


215.4146,
223.4637, 222.7224

 23.0816, 23.5716,
21.2172

260.6714,
270.6472, 271.2496

 14.7748, 15.0161,
13.0901

311.8605,
324.0447, 326.3585

 8.7468, 8.8307,
7.3592

369.3473,

 4.6322, 4.6309,

384.0406, 388.4675

3.6059

433.4972,
451.0192, 457.9952

■ 2.0656, 2.0324,
1.4117

■ 0.6704, 0.6262,
0.1508

■ 86.4037, 89.1816,
86.0586

■ 86.4037, 89.1816,
86.0586

■ 79.1142, 79.8561,
67.4331

94.5448, 99.3741,
107.5462

■ 72.6402, 71.3627,
51.5417

95.0500, 100.0000,
108.9000

■ 66.9514, 63.6801,
38.2550

■ 62.0136, 56.7816,
27.4307

■ 57.7893, 50.6391,
18.9128

■ 54.2372, 45.2224,
12.5271

■ 51.3112, 40.4984,
8.0741

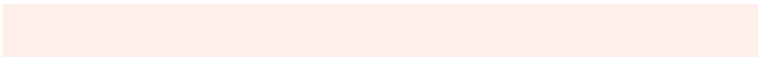
■ 48.9570, 36.4303,
5.3157

■ 47.1878, 33.1556,
3.9126

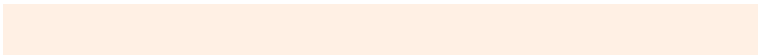
Harmonies

Analogous

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



88.2276, 89.1816, 89.6809



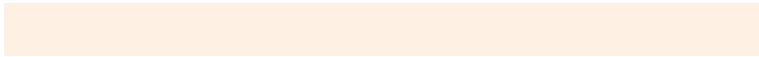
86.4037, 89.1816, 86.0586



84.1700, 89.1816, 85.3293

Triad

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



86.4037, 89.1816, 86.0586



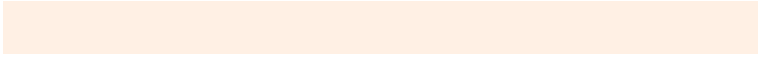
80.5468, 89.1816, 98.8200



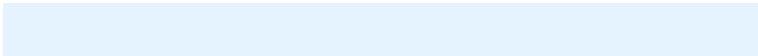
87.4532, 89.1816, 107.2221

Complementary

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



86.4037, 89.1816, 86.0586



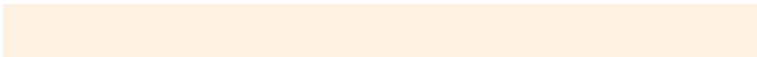
82.0948, 87.8129, 107.2305

Split Complementary

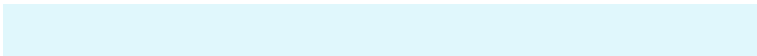
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3617, 89.1816, 109.9141



86.4037, 89.1816, 86.0586



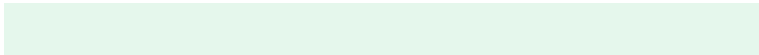
81.3931, 89.1816, 104.9250

Square

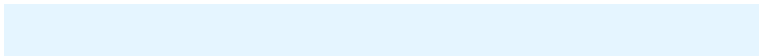
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.4037, 89.1816, 86.0586



80.8146, 89.1816, 92.5131



83.1460, 89.1816, 109.0554



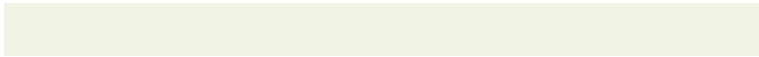
88.8409, 89.1816, 101.8435

Rectangle

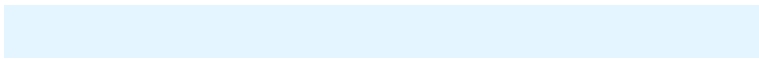
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.4037, 89.1816, 86.0586



82.7535, 89.1816, 86.5502



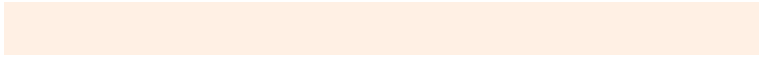
83.1460, 89.1816, 109.0554



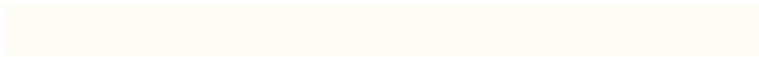
86.8077, 89.1816, 108.4818

Sweetspot

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



86.4057, 89.1853, 86.0605



92.5022, 96.8362, 102.0950



85.2070, 83.2370, 96.6078



19.6564, 20.5488, 21.4729



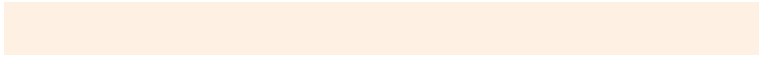
0.0000, 0.0000, 0.0000



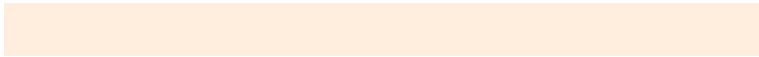
20.3446, 21.4041, 23.3091

Same Dimension

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



86.4057, 89.1853, 86.0605



84.5702, 86.8569, 81.3096



90.4323, 97.2385, 87.4027



18.6742, 19.3165, 18.8886



24.8001, 17.6115, 2.0923



2.5216, 1.9286, 0.2394

Inverse Universe

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



82.0948, 87.8129, 107.2305



79.3651, 85.1995, 106.8699



78.2871, 80.1976, 105.9612



17.8396, 19.0509, 22.9869



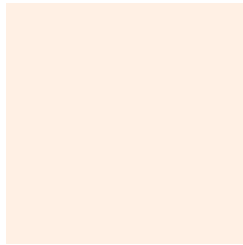
14.6076, 14.1248, 51.3910



1.5313, 1.5933, 5.0401

Previews

White Background



This preview shows how the XYZ color 86.4037, 89.1816, 86.0586 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 86.4037, 89.1816, 86.0586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

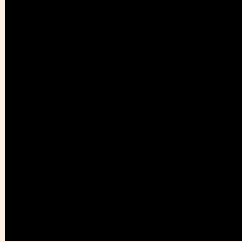
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.4037, 89.1816, 86.0586

Background



This preview shows how black text looks on a background with the XYZ color 86.4037, 89.1816, 86.0586.

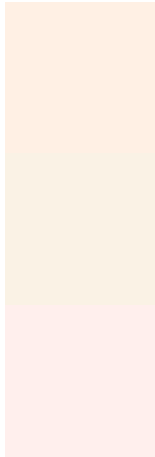


This preview shows how white text looks on a background with the XYZ color 86.4037, 89.1816,

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

86.4037, 89.1816, 86.0586

Protanopia

85.3193, 89.4854, 86.9043

Deuteranopia

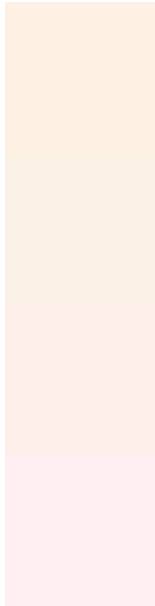
87.3926, 89.1074, 92.7141



Tritanopia

89.3852, 89.4373, 104.6475

Trichromacy



Original Color

86.4037, 89.1816, 86.0586

Protanomaly

85.7430, 89.2632, 86.8391

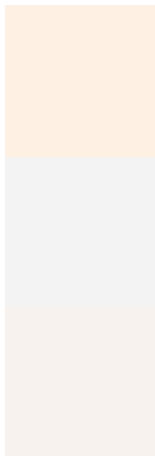
Deuteranomaly

86.9578, 88.9335, 90.4246

Tritanomaly

88.2842, 89.4641, 97.4092

Monochromacy



Original Color

86.4037, 89.1816, 86.0586

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.5425, 89.4515, 93.6462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.4037, 89.1816, 86.0586 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, 240, 228) looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 228)  
}
```

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, 240, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 228) }
```

Border

The CSS property to change the border of an element to XYZ 86.4037, 89.1816, 86.0586 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, 240, 228) }
```


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

```
.border{ border-color:rgb(255, 240, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 86.4037, 89.1816, 86.0586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 228) }
```

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

```
.background{ background-color: rgb(255,  
240, 228) }
```

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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