

Converting Colors

XYZ(123.6935, 107.6333,
87.5684)

Have a look what the booklet for
XYZ(123.6935, 107.6333, 87.5684)
contains.

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Color

**XYZ(85.8181, 88.0105,
85.8634)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEEE4
RGB	255, 238, 228
RGB Percent	100%, 93%, 89%
CMY	0.0000, 0.0666, 0.1059
CMYK	0.00, 0.07, 0.11, 0.00
HSL	22°, 100%, 95%
HSV	22°, 11%, 100%
XYZ	85.8181, 88.0105, 85.8634
YIQ	241.9430, 13.3420, 0.4940

Conversions

Conversions Part 2

Format	Color
R_{YB}	255, 244, 228
Decimal	16772836
CIE _{Lab}	95.17, 4.10, 6.89
CIE _{LCh}	95, 8.017, 59.226
Yxy	88.0105, 0.3305, 0.3389
Android (android.graphics.Color)	4294962916 (0xFFFFEEE4)
YUV	241.9430, -6.8739, 11.4510
Hunter-Lab	93.8139, -0.8880, 11.4044

Details

The XYZ color **85.8181, 88.0105, 85.8634** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.6965, 89.0164, 107.4311**, and the grayscale version is **84.4001, 88.7955, 96.6983**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5595, 48.4788, 46.3859** is the 20% darker color. If you saturate the color by 10%, you get **78.0696, 77.7669, 67.0849**, and if you desaturate by 10%, it is **94.5096, 99.3036, 107.5344**.

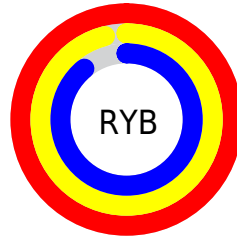
Distribution



Red (100%)

Green (93%)

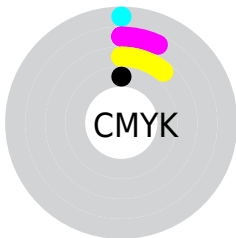
Blue (89%)



Red (100%)

Yellow (96%)

Blue (89%)



Cyan (0%)

Magenta (7%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.8181, 88.0105, 85.8634 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 85.8181, 88.0105, 85.8634 by changing the saturation by 10% instead.


 85.8181, 88.0105,
85.8634

 85.8181, 88.0105,
85.8634


502.7742,
521.5376, 534.6996

 64.8423, 66.3318,
64.0008


140.4238,
144.5718, 143.4637

 47.5975, 48.5418,
46.2051

174.7844,
180.2231, 180.0385

 33.7181, 34.2561,
32.0579


214.3373,
221.3008, 222.3544

 22.8390, 23.0904,
21.1405

259.4479,
268.1891, 270.8299

 14.5947, 14.6603,
13.0345

310.4815,
321.2726, 325.8837

 8.6199, 8.5813,
7.3213

367.8036,

 4.5492, 4.4691,

380.9356, 387.9342

3.5824

431.7793,
447.5624, 457.4000

■ 2.0173, 1.9393,
1.3991

■ 0.6436, 0.5718,
0.1411

■ 85.8181, 88.0105,
85.8634

■ 85.8181, 88.0105,
85.8634

■ 78.0696, 77.7669,
67.0849

94.5096, 99.3036,
107.5344

■ 71.2243, 68.5311,
51.0698

95.0500, 100.0000,
108.9000

■ 65.2486, 60.2743,
37.6874

■ 60.1040, 52.9625,
26.7942

■ 55.7493, 46.5592,
18.2328

■ 52.1387, 41.0253,
11.8276

■ 49.2213, 36.3186,
7.3775

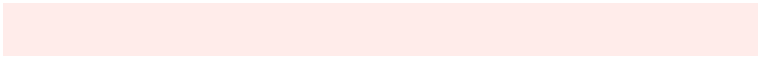
■ 46.9378, 32.3917,
4.6426

■ 45.2866, 29.3533,
3.2789

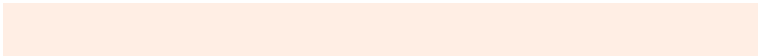
Harmonies

Analogous

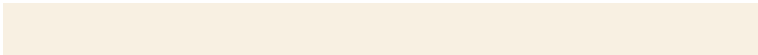
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3694, 88.0105, 90.0762



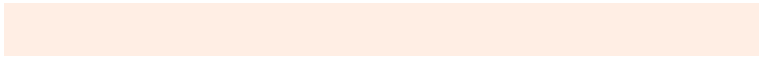
85.8181, 88.0105, 85.8634



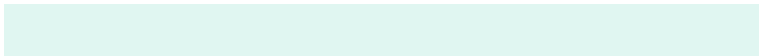
83.7080, 88.0105, 84.3003

Triad

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



85.8181, 88.0105, 85.8634



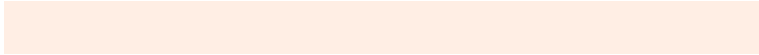
79.5227, 88.0105, 95.6662



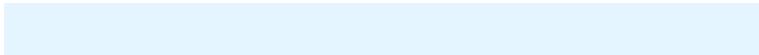
85.7183, 88.0105, 106.7105

Complementary

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



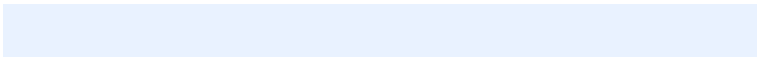
85.8181, 88.0105, 85.8634



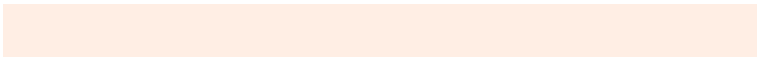
82.6965, 89.0164, 107.4311

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.



83.5947, 88.0105, 108.3624



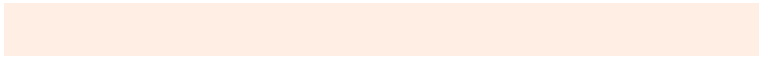
85.8181, 88.0105, 85.8634



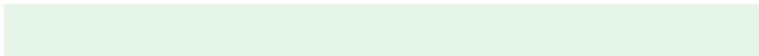
80.0403, 88.0105, 101.8206

Square

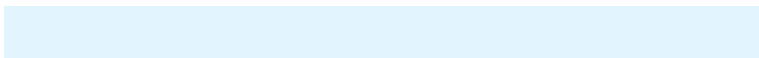
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



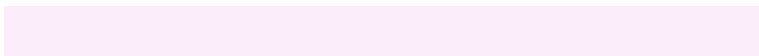
85.8181, 88.0105, 85.8634



80.0953, 88.0105, 89.8066



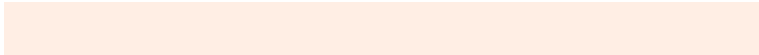
81.5214, 88.0105, 106.5362



87.3111, 88.0105, 102.1137

Rectangle

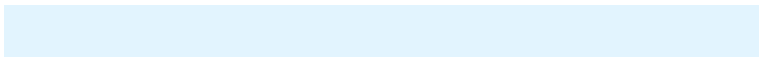
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8181, 88.0105, 85.8634



82.2763, 88.0105, 84.9166



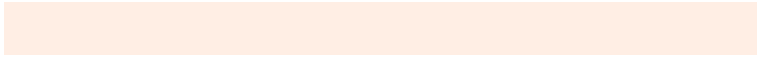
81.5214, 88.0105, 106.5362



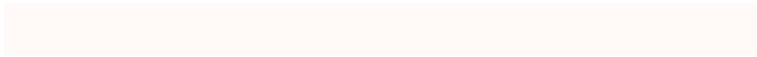
85.0417, 88.0105, 107.6373

Sweetspot

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



85.8202, 88.0142, 85.8653



92.3256, 96.4831, 102.0362



85.4807, 83.3465, 98.0489



19.6088, 20.4537, 21.4570



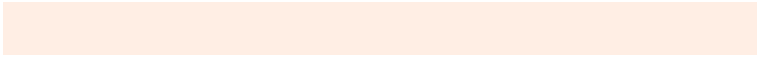
0.0000, 0.0000, 0.0000



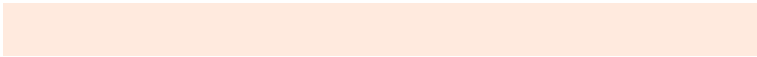
20.3446, 21.4041, 23.3091

Same Dimension

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



85.8202, 88.0142, 85.8653



83.8657, 85.4479, 81.0748



89.8662, 96.1062, 87.2139



18.5607, 19.0895, 18.8507



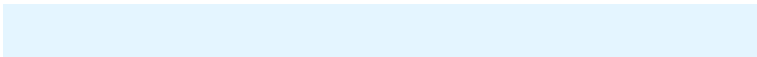
23.7937, 15.5987, 1.7568



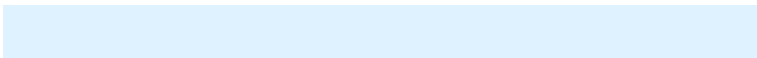
2.4170, 1.7195, 0.2045

Inverse Universe

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



82.6965, 89.0164, 107.4311



80.0939, 86.6572, 107.1129



78.7900, 81.2034, 106.1289



17.9560, 19.2835, 23.0257



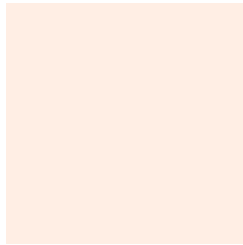
16.1939, 17.2973, 51.9198



1.6814, 1.8935, 5.0901

Previews

White Background



This preview shows how the XYZ color 85.8181, 88.0105, 85.8634 looks on a white background.

Color Contrast Check

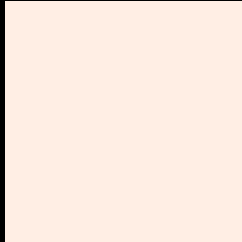
Large Text (above 18pt) WCAG AA × Fail

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 85.8181, 88.0105, 85.8634 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 85.8181, 88.0105, 85.8634

Background



This preview shows how black text looks on a background with the XYZ color 85.8181, 88.0105, 85.8634.



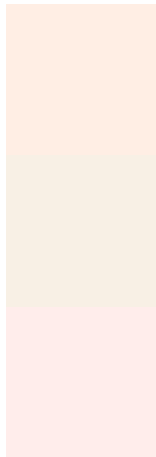
This preview shows how white text looks on a background with the XYZ color 85.8181, 88.0105,

85.8634.

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

85.8181, 88.0105, 85.8634

Protanopia

84.0143, 87.9338, 86.6736

Deuteranopia

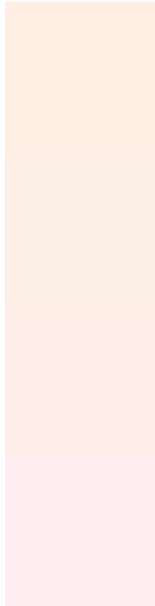
86.5196, 87.8265, 90.9894



Tritanopia

88.4908, 88.1530, 102.7938

Trichromacy



Original Color

85.8181, 88.0105, 85.8634

Protanomaly

84.7930, 87.8994, 86.6259

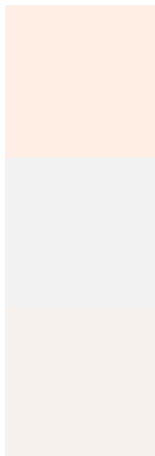
Deuteranomaly

86.0897, 87.6546, 88.7255

Tritanomaly

87.5512, 88.2392, 96.4218

Monochromacy



Original Color

85.8181, 88.0105, 85.8634

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

85.0991, 88.7992, 92.7755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.8181, 88.0105, 85.8634 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, 238, 228) looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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, 238, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 228) }
```

Border

The CSS property to change the border of an element to XYZ 85.8181, 88.0105, 85.8634 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, 238, 228) }
```


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

```
.border{ border-color:rgb(255, 238, 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, 238, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 85.8181, 88.0105, 85.8634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 228) }
```

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

```
.background{ background-color: rgb(255,  
238, 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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