

Converting Colors

XYZ(107.3826, 100.0000,
81.0774)

Have a look what the booklet for
XYZ(107.3826, 100.0000, 81.0774)
contains.

XYZ(85.3184, 88.7475, 80.3434)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(85.3184, 88.7475,
80.3434)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0DC
RGB	255, 240, 220
RGB Percent	100%, 94%, 86%
CMY	0.0000, 0.0588, 0.1372
CMYK	0.00, 0.06, 0.14, 0.00
HSL	34°, 100%, 93%
HSV	34°, 14%, 100%
XYZ	85.3184, 88.7475, 80.3434
YIQ	242.2050, 15.3600, -3.0400

Conversions

Conversions Part 2

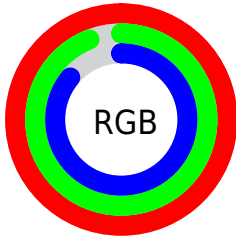
Format	Color
R _Y B	246, 255, 220
Decimal	16773340
CIE Lab	95.47, 1.83, 11.47
CIE LCh	95, 11.614, 80.943
Yxy	88.7475, 0.3354, 0.3488
Android (android.graphics.Color)	4294963420 (0xFFFFF0DC)
YUV	242.2050, -10.9471, 11.2212
Hunter-Lab	94.2059, -3.2002, 15.3787

Details

The XYZ color **85.3184, 88.7475, 80.3434** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.2729, 81.8501, 106.3337**, and the grayscale version is **84.6377, 89.0454, 96.9705**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2207, 49.0034, 42.5671** is the 20% darker color. If you saturate the color by 10%, you get **79.0760, 81.2614, 62.8522**, and if you desaturate by 10%, it is **92.2738, 96.8344, 100.6160**.

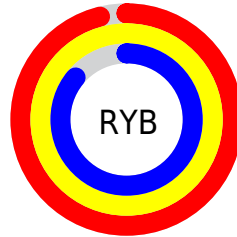
Distribution



Red (100%)

Green (94%)

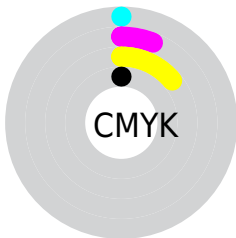
Blue (86%)



Red (96%)

Yellow (100%)

Blue (86%)

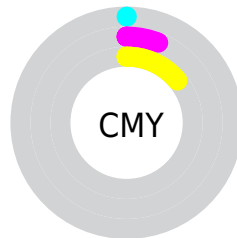


Cyan (0%)

Magenta (6%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.3184, 88.7475, 80.3434 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 85.3184, 88.7475, 80.3434 by changing the saturation by 10% instead.


 85.3184, 88.7475,
80.3434

 85.3184, 88.7475,
80.3434


501.1489,
523.9480, 515.8266

 64.4279, 66.9423,
59.4731


139.7297,
145.5974, 135.6642

 47.2603, 49.0377,
42.5716

173.9811,
181.4109, 170.9518

 33.4503, 34.6494,
29.2202


213.4170,
222.6626, 211.8823

 22.6325, 23.3929,
19.0005

258.4025,
269.7369, 258.8742

 14.4416, 14.8839,
11.4938

309.3031,
323.0182, 312.3460

 8.5122, 8.7380,
6.2817

366.4841,

 4.4789, 4.5707,

382.8909, 372.7163

2.9456

430.3109,
449.7394, 440.4037

■ 1.9765, 1.9976,
1.0669

■ 0.6207, 0.6061,
0.0000

■ 85.3184, 88.7475,
80.3434

■ 85.3184, 88.7475,
80.3434

■ 79.0760, 81.2614,
62.8522

■ 92.2738, 96.8344,
100.6160

■ 73.5137, 74.3489,
48.0132

95.0500, 100.0000,
108.9000

■ 68.6052, 67.9967,
35.6952

■ 64.3195, 62.1868,
25.7534

■ 60.6230, 56.8999,
18.0282

■ 57.4779, 52.1148,
12.3402

■ 54.8412, 47.8079,
8.4814

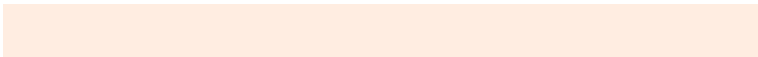
■ 52.6609, 43.9521,
6.1984

■ 51.4809, 41.7419,
5.3436

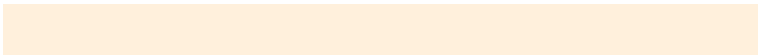
Harmonies

Analogous

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



88.2649, 88.7475, 83.6564



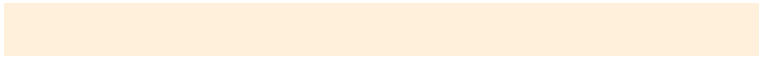
85.3184, 88.7475, 80.3434



82.1843, 88.7475, 81.1764

Triad

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



85.3184, 88.7475, 80.3434



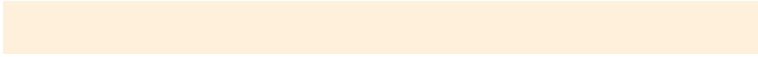
78.7672, 88.7475, 103.0286



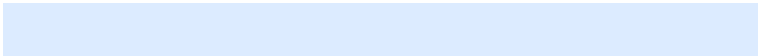
89.1913, 88.7475, 108.0944

Complementary

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



85.3184, 88.7475, 80.3434



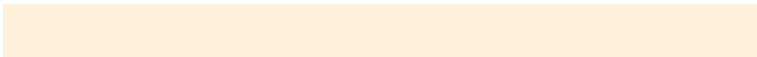
77.2729, 81.8501, 106.3337

Split Complementary

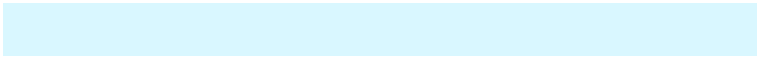
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5571, 88.7475, 113.9321



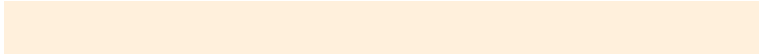
85.3184, 88.7475, 80.3434



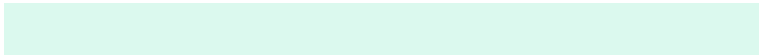
80.5561, 88.7475, 110.8821

Square

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



85.3184, 88.7475, 80.3434



78.4544, 88.7475, 93.8994



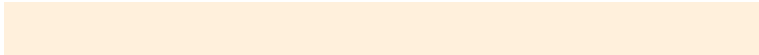
83.3926, 88.7475, 114.9832



90.5376, 88.7475, 99.4149

Rectangle

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



85.3184, 88.7475, 80.3434



80.4067, 88.7475, 83.9935



83.3926, 88.7475, 114.9832



88.4240, 88.7475, 110.4764

Sweetspot

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



85.3204, 88.7512, 80.3453



92.0727, 96.6039, 100.0199



81.8533, 78.4552, 89.5536



19.5903, 20.5428, 21.0620



0.0000, 0.0000, 0.0000



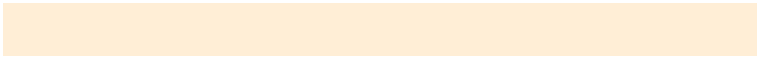
20.3446, 21.4041, 23.3091

Same Dimension

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



85.3204, 88.7512, 80.3453



83.8383, 86.9955, 76.1254



89.0653, 97.5076, 81.8380



18.8714, 19.7109, 18.9543



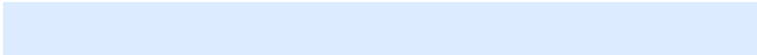
27.0511, 22.1135, 2.8426



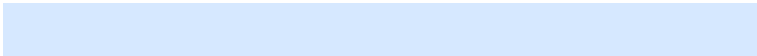
2.7424, 2.3701, 0.3129

Inverse Universe

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



77.2729, 81.8501, 106.3337



74.6064, 79.0792, 105.9394



73.8706, 73.9899, 104.9958



17.6429, 18.6574, 22.9213



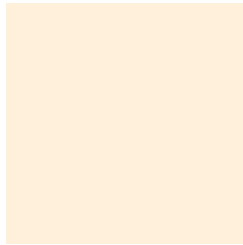
12.4439, 9.7974, 50.6698



1.3174, 1.1656, 4.9688

Previews

White Background



This preview shows how the XYZ color 85.3184, 88.7475, 80.3434 looks on a white background.

Color Contrast Check

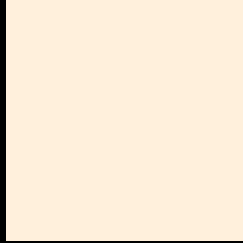
Large Text (above 18pt) WCAG AA × Fail

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 85.3184, 88.7475, 80.3434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

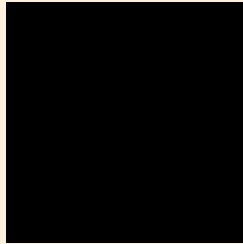
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

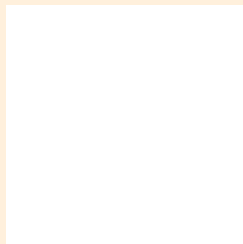
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.3184, 88.7475, 80.3434

Background



This preview shows how black text looks on a background with the XYZ color 85.3184, 88.7475, 80.3434.

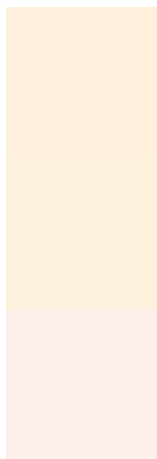


This preview shows how white text looks on a background with the XYZ color 85.3184, 88.7475,

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

85.3184, 88.7475, 80.3434

Protanopia

84.2901, 88.6403, 81.0733

Deuteranopia

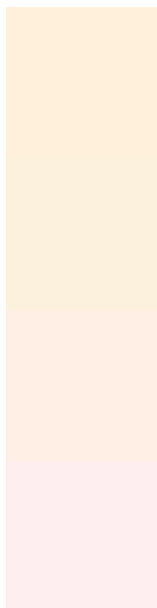
86.9578, 88.9335, 90.4246



Tritanopia

88.9368, 88.7934, 103.7182

Trichromacy



Original Color

85.3184, 88.7475, 80.3434

Protanomaly

84.6513, 88.8265, 81.0902

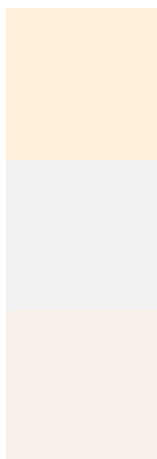
Deuteranomaly

86.2494, 88.6501, 86.6941

Tritanomaly

87.5427, 88.7003, 94.9450

Monochromacy



Original Color

85.3184, 88.7475, 80.3434

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.6644, 88.6253, 90.4860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.3184, 88.7475, 80.3434 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, 220) looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 220) }
```

Border

The CSS property to change the border of an element to XYZ 85.3184, 88.7475, 80.3434 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, 220) }
```


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

```
.border{ border-color:rgb(255, 240, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 85.3184, 88.7475, 80.3434 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, 220) }
```

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

```
.background{ background-color: rgb(255,  
240, 220) }
```

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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