

Converting Colors

XYZ(80.5188, 88.4637, 50.0258)

Have a look what the booklet for
XYZ(80.5188, 88.4637, 50.0258)
contains.

XYZ(80.3585, 88.1883, 49.8325)	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(80.3585, 88.1883,
49.8325)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3A8
RGB	255, 243, 168
RGB Percent	100%, 95%, 66%
CMY	0.0000, 0.0470, 0.3412
CMYK	0.00, 0.05, 0.34, 0.00
HSL	52°, 100%, 83%
HSV	52°, 34%, 100%
XYZ	80.3585, 88.1883, 49.8325
YIQ	238.0380, 31.2270, -20.7810

Conversions

Conversions Part 2

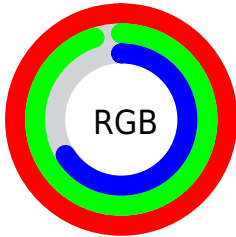
Format	Color
R _Y B	182, 255, 168
Decimal	16774056
CIE Lab	95.24, -6.69, 37.67
CIE LCh	95, 38.256, 100.077
Yxy	88.1883, 0.3680, 0.4038
Android (android.graphics.Color)	4294964136 (0xFFFFF3A8)
YUV	238.0380, -34.5287, 14.8757
Hunter-Lab	93.9086, -11.5960, 34.2739

Details

The XYZ color **80.3585, 88.1883, 49.8325** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.5194, 48.1860, 101.2459**, and the grayscale version is **81.5413, 85.7878, 93.4229**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **43.8908, 48.6488, 23.2965** is the 20% darker color. If you saturate the color by 10%, you get **77.1707, 85.2490, 38.1768**, and if you desaturate by 10%, it is **84.0365, 91.3622, 63.9519**.

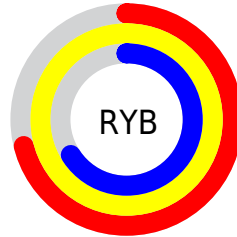
Distribution



Red (100%)

Green (95%)

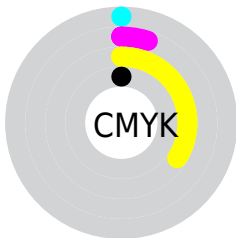
Blue (66%)



Red (71%)

Yellow (100%)

Blue (66%)

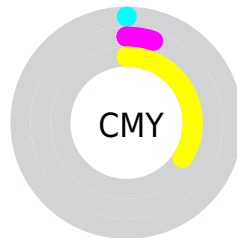


Cyan (0%)

Magenta (5%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.3585, 88.1883, 49.8325 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 80.3585, 88.1883, 49.8325 by changing the saturation by 10% instead.


 80.3585, 88.1883,
49.8325

 80.3585, 88.1883,
49.8325

484.8583,
522.1197, 402.7268

 60.3229, 66.4790,
34.9101


 132.8175,
144.8193, 91.3204

 43.9294, 48.6614,
23.3106


165.9716,
180.5098, 118.7230

 30.8127, 34.3509,
14.6156


204.2293,
221.6295, 151.1226

 20.6074, 23.1633,
8.4064

247.9559,
268.5628, 188.9380

 12.9481, 14.7142,
4.2646

297.5167,
321.6940, 232.5875

 7.4696, 8.6190,
1.7716

353.2772,

 3.8064, 4.4935,

381.4077, 282.4898

0.4091

415.6026,
448.0881, 339.0634

■ 1.5932, 1.9533,
0.0000

■ 0.3880, 0.5801,
0.0000

■ 80.3585, 88.1883,
49.8325

■ 80.3585, 88.1883,
49.8325

■ 77.1707, 85.2490,
38.1768

■ 84.0365, 91.3622,
63.9519

■ 74.4394, 82.5212,
28.8352

■ 88.2237, 94.7690,
80.6619

■ 72.1364, 79.9966,
21.6504

■ 92.9456, 98.4223,
100.0871

■ 70.2274, 77.6613,
16.4434

95.0500, 100.0000,
108.9000

■ 68.6730, 75.4994,
13.0060

■ 67.4246, 73.4912,
11.0836

■ 66.7926, 72.3653,
10.4475

Harmonies

Analogous

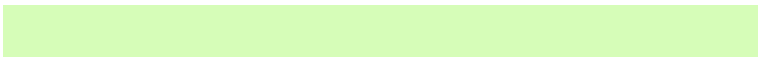
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8443, 88.1883, 51.4989



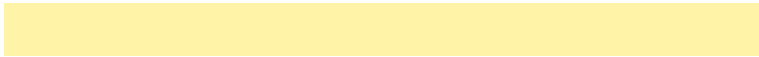
80.3585, 88.1883, 49.8325



71.5555, 88.1883, 58.4250

Triad

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



80.3585, 88.1883, 49.8325



69.3868, 88.1883, 137.9694



104.1329, 88.1883, 116.9620

Complementary

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



80.3585, 88.1883, 49.8325



50.5194, 48.1860, 101.2459

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.



97.4122, 88.1883, 147.0397



80.3585, 88.1883, 49.8325



77.1681, 88.1883, 160.8057

Square

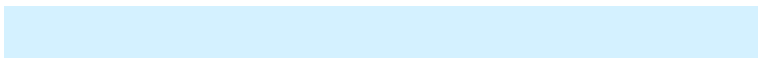
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3585, 88.1883, 49.8325



65.5780, 88.1883, 106.4312



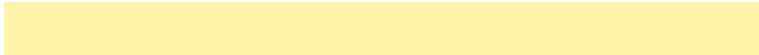
87.3802, 88.1883, 164.4317



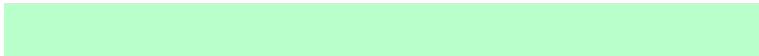
105.1661, 88.1883, 86.3148

Rectangle

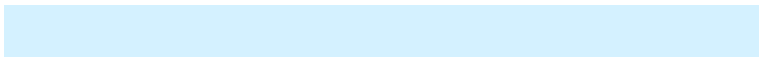
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.3585, 88.1883, 49.8325



67.6065, 88.1883, 70.1172



87.3802, 88.1883, 164.4317



102.4391, 88.1883, 127.6305

Sweetspot

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



80.3606, 88.1923, 49.8343



90.1015, 96.2426, 88.3231



63.5889, 52.6045, 50.5463



19.1460, 20.4912, 18.3338



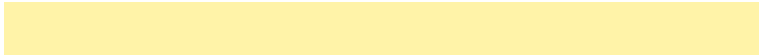
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

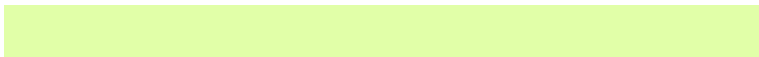
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3606, 88.1923, 49.8343



78.1144, 86.1427, 41.5546



73.7396, 90.2827, 50.5868



19.3351, 20.6384, 19.1089



34.9830, 37.9773, 5.4865



3.4625, 3.8103, 0.5530

Inverse Universe

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



50.5194, 48.1860, 101.2459



44.1412, 40.6078, 100.1193



55.4610, 47.2934, 100.8132



17.2049, 17.7815, 22.7753



9.8091, 4.5277, 49.7915



1.0137, 0.5581, 4.8676

Previews

White Background



This preview shows how the XYZ color 80.3585, 88.1883, 49.8325 looks on a white background.

Color Contrast Check

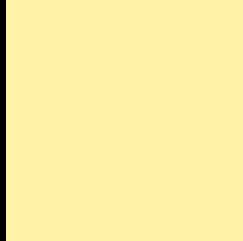
Large Text (above 18pt) WCAG AA × Fail

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 80.3585, 88.1883, 49.8325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

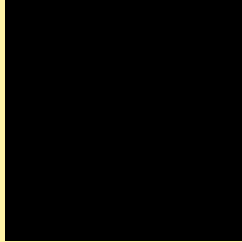
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.3585, 88.1883, 49.8325

Background



This preview shows how black text looks on a background with the XYZ color 80.3585, 88.1883, 49.8325.



This preview shows how white text looks on a background with the XYZ color 80.3585, 88.1883,

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

80.3585, 88.1883, 49.8325

Protanopia

82.3209, 88.0208, 63.1030

Deuteranopia

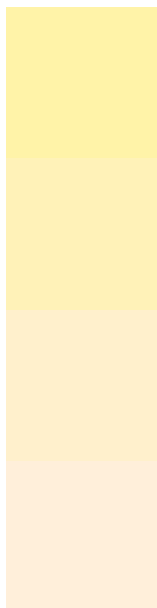
85.5610, 88.3748, 83.0695



Tritanopia

88.0240, 87.9663, 100.3355

Trichromacy



Original Color

80.3585, 88.1883, 49.8325

Protanomaly

81.6439, 88.2250, 58.0734

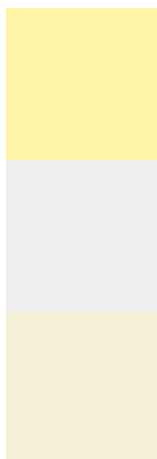
Deuteranomaly

83.2992, 87.9398, 69.7105

Tritanomaly

84.7614, 88.0550, 78.8586

Monochromacy



Original Color

80.3585, 88.1883, 49.8325

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.4786, 86.3574, 75.3778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3585, 88.1883, 49.8325 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, 243, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 168)  
}
```

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, 243, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 168) }
```

Border

The CSS property to change the border of an element to XYZ 80.3585, 88.1883, 49.8325 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, 243, 168) }
```


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

```
.border{ border-color:rgb(255, 243, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3585, 88.1883, 49.8325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 168) }
```

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

```
.background{ background-color: rgb(255,  
243, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor