

Converting Colors

Yxy(58.7559, 0.4358, 0.4126)

Have a look what the booklet for
Yxy(58.7559, 0.4358, 0.4126)
contains.

Yxy(58.6958, 0.4356, 0.4121)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.6958, 0.4356, 0.4121)

Conversions

Conversions Part 1

Format	Color
Hex	FFBD6A
RGB	255, 189, 106
RGB Percent	100%, 74%, 42%
CMY	0.0000, 0.2588, 0.5843
CMYK	0.00, 0.26, 0.58, 0.00
HSL	33°, 100%, 71%
HSV	33°, 58%, 100%
XYZ	62.0429, 58.6958, 21.6922
YIQ	199.2720, 65.9790, -11.8210

Conversions

Conversions Part 2

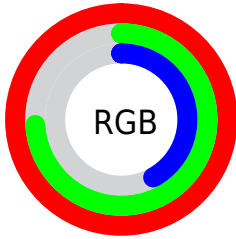
Format	Color
R _Y B	224, 255, 106
Decimal	16760170
CIE Lab	81.12, 15.09, 50.65
CIE LCh	81, 52.847, 73.405
Yxy	58.6958, 0.4356, 0.4121
Android (android.graphics.Color)	4294950250 (0xFFFFBD6A)
YUV	199.2720, -45.9831, 48.8735
Hunter-Lab	76.6132, 10.4799, 36.8419

Details

The Yxy color **58.6958, 0.4356, 0.4121** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.7855, 0.2167, 0.2225**, and the grayscale version is **57.5442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0680, 0.3728, 0.4143**, and **29.4863, 0.4631, 0.4267** is the 20% darker color. If you saturate the color by 10%, you get **53.5703, 0.4609, 0.4216**, and if you desaturate by 10%, it is **64.3574, 0.4104, 0.3996**.

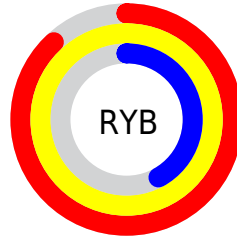
Distribution



Red (100%)

Green (74%)

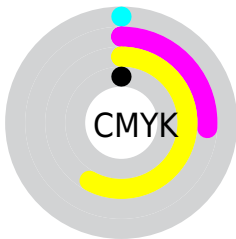
Blue (42%)



Red (88%)

Yellow (100%)

Blue (42%)

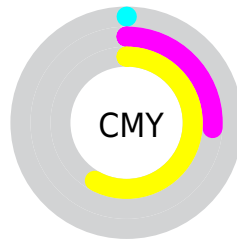


Cyan (0%)

Magenta (26%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6958, 0.4356, 0.4121 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 Yxy color 58.6958, 0.4356, 0.4121 by changing the saturation by 10% instead.


 58.6958, 0.4356,
0.4121


 58.6958, 0.4356,
0.4121


419.7737, 0.3782,
0.3763


 42.3683, 0.4482,
0.4190


 102.9354, 0.4160,
0.4006


 29.3898, 0.4632,
0.4266


 131.6163, 0.4082,
0.3958

 19.3759, 0.4812,
0.4346


 165.1838, 0.4015,
0.3916

 11.9422, 0.5025,
0.4423

 204.0222, 0.3956,
0.3879

 6.7043, 0.5333,
0.4525

248.5160, 0.3905,
0.3845

 3.2779, 0.5547,
0.4453

299.0496, 0.3859,

 1.2785, 0.5777,

0.3815

0.4223

356.0074, 0.3818,
0.3788

0.1244, 0.7964,
0.2036

0.0000, 0.0000,
0.0000

58.6958, 0.4356,
0.4121

58.6958, 0.4356,
0.4121

53.5703, 0.4609,
0.4216

64.3574, 0.4104,
0.3996

48.9580, 0.4850,
0.4267

70.5761, 0.3864,
0.3854

44.8327, 0.5063,
0.4266

77.3713, 0.3642,
0.3704

41.1614, 0.5240,
0.4212

84.7612, 0.3441,
0.3553

40.6220, 0.5266,
0.4201

92.7631, 0.3262,
0.3407

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



58.6958, 0.4481, 0.3624



58.6958, 0.4356, 0.4121



58.6958, 0.3896, 0.4481

Triad

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



58.6958, 0.4356, 0.4121



58.6958, 0.2148, 0.3348



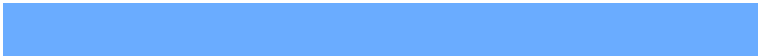
58.6958, 0.2875, 0.2357

Complementary

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



58.6958, 0.4356, 0.4121



39.7855, 0.2167, 0.2225

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.



58.6958, 0.2320, 0.2238



58.6958, 0.4356, 0.4121



58.6958, 0.1938, 0.2722

Square

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



58.6958, 0.4356, 0.4121



58.6958, 0.2618, 0.4056



58.6958, 0.2000, 0.2349



58.6958, 0.3571, 0.2667

Rectangle

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



58.6958, 0.4356, 0.4121



58.6958, 0.3479, 0.4544



58.6958, 0.2000, 0.2349



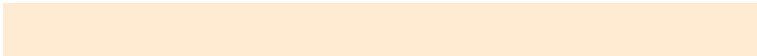
58.6958, 0.2668, 0.2294

Sweetspot

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



58.6958, 0.4356, 0.4121



85.0961, 0.3433, 0.3547



34.5853, 0.4089, 0.2622



17.7388, 0.3489, 0.3590



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



58.6958, 0.4356, 0.4121



52.8150, 0.4648, 0.4227



92.4347, 0.3909, 0.4698



19.6655, 0.3280, 0.3422



21.5286, 0.5243, 0.4219



2.3141, 0.5091, 0.4340

Inverse Universe

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



39.7855, 0.2167, 0.2225



32.4074, 0.2000, 0.1971



21.0665, 0.2029, 0.1421



18.7020, 0.2979, 0.3154



10.2240, 0.1719, 0.1389



1.2091, 0.1780, 0.1607

Previews

White Background



This preview shows how the Yxy color 58.6958, 0.4356, 0.4121 looks on a white background.

Color Contrast Check

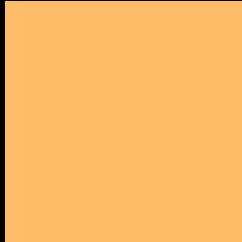
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 58.6958, 0.4356, 0.4121 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](#).

Yxy 58.6958, 0.4356, 0.4121

Background



This preview shows how black text looks on a background with the Yxy color 58.6958, 0.4356, 0.4121.



This preview shows how white text looks on a background with the Yxy color 58.6958, 0.4356, 0.4121.

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

58.6958, 0.4356, 0.4121

Protanopia

58.8964, 0.3968, 0.4323

Deuteranopia

58.6757, 0.4284, 0.4182



Tritanopia

58.6109, 0.3658, 0.3166

Trichromacy



Original Color

58.6958, 0.4356, 0.4121

Protanomaly

58.5291, 0.4107, 0.4242

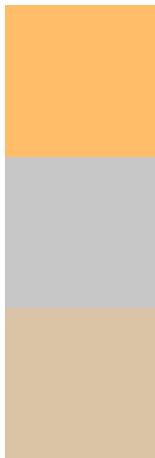
Deuteranomaly

58.7908, 0.4316, 0.4162

Tritanomaly

58.5666, 0.3929, 0.3534

Monochromacy



Original Color

58.6958, 0.4356, 0.4121

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

56.8069, 0.3560, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6958, 0.4356, 0.4121 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, 189, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 106)  
}
```

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, 189, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 106) }
```

Border

The CSS property to change the border of an element to Yxy 58.6958, 0.4356, 0.4121 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, 189, 106) }
```

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

```
.border{ border-color:rgb(255, 189, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6958, 0.4356, 0.4121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 106) }
```

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

```
.background{ background-color: rgb(255,  
189, 106) }
```

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