

Converting Colors

$Y_{xy}(58.3569, 0.4451, 0.4235)$

Have a look what the booklet for
Yxy(58.3569, 0.4451, 0.4235)
contains.

Yxy(58.4279, 0.4448, 0.4235)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.4279, 0.4448, 0.4235)

Conversions

Conversions Part 1

Format	Color
Hex	FFBD5C
RGB	255, 189, 92
RGB Percent	100%, 74%, 36%
CMY	0.0000, 0.2588, 0.6392
CMYK	0.00, 0.26, 0.64, 0.00
HSL	36°, 100%, 68%
HSV	36°, 64%, 100%
XYZ	61.3665, 58.4279, 18.1699
YIQ	197.6760, 70.4730, -16.1750

Conversions

Conversions Part 2

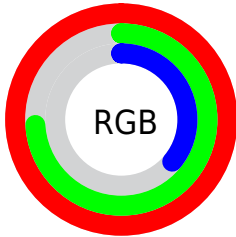
Format	Color
R _Y B	203, 255, 92
Decimal	16760156
CIE Lab	80.98, 14.15, 57.09
CIE LCh	81, 58.817, 76.080
Yxy	58.4279, 0.4448, 0.4235
Android (android.graphics.Color)	4294950236 (0xFFFFBD5C)
YUV	197.6760, -52.0983, 50.2731
Hunter-Lab	76.4381, 9.5377, 39.4130

Details

The Yxy color **58.4279, 0.4448, 0.4235** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **33.9437, 0.2065, 0.2021**, and the grayscale version is **56.5570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6091, 0.3810, 0.4274**, and **29.2241, 0.4721, 0.4392** is the 20% darker color. If you saturate the color by 10%, you get **53.7729, 0.4678, 0.4315**, and if you desaturate by 10%, it is **63.5548, 0.4209, 0.4117**.

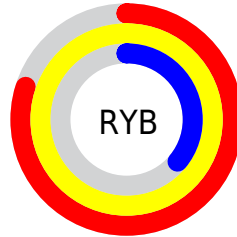
Distribution



Red (100%)

Green (74%)

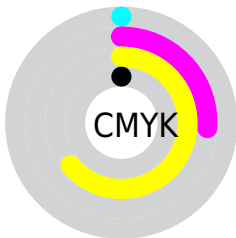
Blue (36%)



Red (80%)

Yellow (100%)

Blue (36%)

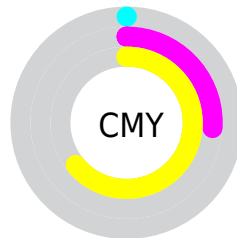


Cyan (0%)

Magenta (26%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (26%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4279, 0.4448, 0.4235 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 58.4279, 0.4448, 0.4235 by changing the saturation by 10% instead.


 58.4279, 0.4448,
0.4235


 58.4279, 0.4448,
0.4235


418.7785, 0.3840,
0.3834


 42.1528, 0.4577,
0.4309


 102.5457, 0.4243,
0.4108


 29.2209, 0.4728,
0.4388


 131.1572, 0.4161,
0.4055

 19.2480, 0.4903,
0.4468


 164.6495, 0.4090,
0.4008

 11.8496, 0.5101,
0.4536

 203.4072, 0.4027,
0.3965

 6.6414, 0.5379,
0.4621

247.8145, 0.3972,
0.3927

 3.2388, 0.5509,
0.4491

298.2559, 0.3923,

 1.2577, 0.5729,

0.3893

0.4271

355.1158, 0.3879,
0.3862

■ 0.1081, 0.8057,
0.1943

■ 0.0000, 0.0000,
0.0000

■ 58.4279, 0.4448,
0.4235

■ 58.4279, 0.4448,
0.4235

■ 53.7729, 0.4678,
0.4315

■ 63.5548, 0.4209,
0.4117

■ 49.5589, 0.4887,
0.4347

■ 69.1647, 0.3974,
0.3975

■ 45.7627, 0.5062,
0.4325

■ 75.2789, 0.3750,
0.3818

■ 43.6380, 0.5154,
0.4290

■ 81.9142, 0.3544,
0.3658

■ 89.0865, 0.3356,
0.3499

■ 96.8108, 0.3188,
0.3347

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



58.4279, 0.4638, 0.3690



58.4279, 0.4448, 0.4235



58.4279, 0.3907, 0.4631

Triad

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



58.4279, 0.4448, 0.4235



58.4279, 0.2013, 0.3275



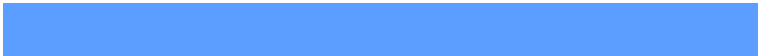
58.4279, 0.2908, 0.2290

Complementary

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



58.4279, 0.4448, 0.4235



33.9437, 0.2065, 0.2021

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.



58.4279, 0.2281, 0.2139



58.4279, 0.4448, 0.4235



58.4279, 0.1818, 0.2603

Square

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



58.4279, 0.4448, 0.4235



58.4279, 0.2500, 0.4087



58.4279, 0.1911, 0.2229



58.4279, 0.3687, 0.2642

Rectangle

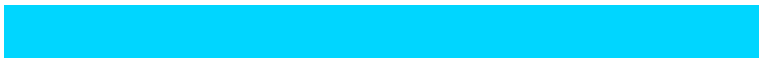
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.4279, 0.4448, 0.4235



58.4279, 0.3439, 0.4690



58.4279, 0.1911, 0.2229



58.4279, 0.2674, 0.2216

Sweetspot

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



58.4308, 0.4448, 0.4235



85.3813, 0.3449, 0.3579



31.4487, 0.4304, 0.2633



17.8410, 0.3503, 0.3625



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.



58.4308, 0.4448, 0.4235



52.4327, 0.4745, 0.4331



91.0578, 0.3922, 0.4819



19.7849, 0.3279, 0.3431



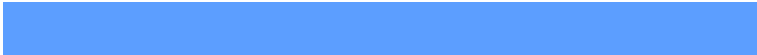
23.1049, 0.5134, 0.4306



2.4642, 0.4997, 0.4414

Inverse Universe

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



33.9437, 0.2065, 0.2021



26.3550, 0.1886, 0.1717



17.9142, 0.1952, 0.1259



18.5849, 0.2979, 0.3145



9.1395, 0.1687, 0.1273



1.0976, 0.1749, 0.1496

Previews

White Background



This preview shows how the Yxy color 58.4279, 0.4448, 0.4235 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 58.4279, 0.4448, 0.4235 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 58.4279, 0.4448, 0.4235

Background



This preview shows how black text looks on a background with the Yxy color 58.4279, 0.4448, 0.4235.



This preview shows how white text looks on a background with the Yxy color 58.4279, 0.4448, 0.4235.

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

58.4279, 0.4448, 0.4235

Protanopia

58.7736, 0.4065, 0.4452

Deuteranopia

58.5943, 0.4383, 0.4294



Tritanopia

58.5662, 0.3667, 0.3177

Trichromacy



Original Color

58.4279, 0.4448, 0.4235

Protanomaly

58.4209, 0.4206, 0.4365

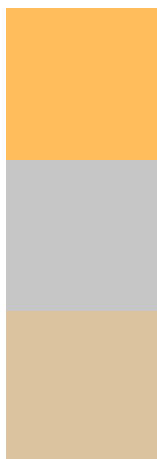
Deuteranomaly

58.5262, 0.4407, 0.4277

Tritanomaly

58.3582, 0.3981, 0.3597

Monochromacy



Original Color

58.4279, 0.4448, 0.4235

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.5935, 0.3608, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4279, 0.4448, 0.4235 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 92) }
```

Border

The CSS property to change the border of an element to Yxy 58.4279, 0.4448, 0.4235 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, 92) }
```

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

```
.border{ border-color:rgb(255, 189, 92) }
```

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, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4279, 0.4448, 0.4235 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, 92) }
```

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

```
.background{ background-color: rgb(255,  
189, 92) }
```

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