

Converting Colors

$Y_{xy}(65.0271, 0.4840, 0.4142)$

Have a look what the booklet for
Yxy(65.0271, 0.4840, 0.4142)
contains.

Yxy(56.9423, 0.4549, 0.4302)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.9423, 0.4549, 0.4302)

Conversions

Conversions Part 1

Format	Color
Hex	FFBA4F
RGB	255, 186, 79
RGB Percent	100%, 73%, 31%
CMY	0.0000, 0.2706, 0.6903
CMYK	0.00, 0.27, 0.69, 0.00
HSL	36°, 100%, 65%
HSV	36°, 69%, 100%
XYZ	60.2117, 56.9423, 15.2084
YIQ	194.4330, 75.4710, -18.6490

Conversions

Conversions Part 2

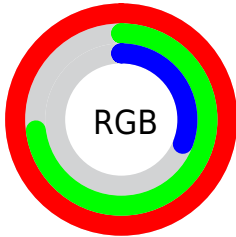
Format	Color
RYB	192, 255, 79
Decimal	16759375
CIELab	80.15, 14.99, 62.00
CIELCh	80, 63.788, 76.404
Yxy	56.9423, 0.4549, 0.4302
Android (android.graphics.Color)	4294949455 (0xFFFFBA4F)
YUV	194.4330, -56.9085, 53.1173
Hunter-Lab	75.4601, 10.3747, 40.8726

Details

The Yxy color **56.9423, 0.4549, 0.4302** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **30.0505, 0.1983, 0.1871**, and the grayscale version is **54.5281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4577, 0.3891, 0.4356**, and **28.2985, 0.4837, 0.4448** is the 20% darker color. If you saturate the color by 10%, you get **52.5756, 0.4763, 0.4362**, and if you desaturate by 10%, it is **61.7485, 0.4319, 0.4199**.

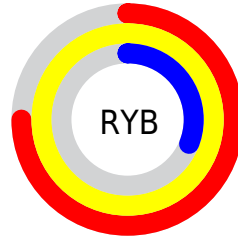
Distribution



Red (100%)

Green (73%)

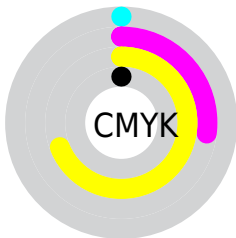
Blue (31%)



Red (75%)

Yellow (100%)

Blue (31%)

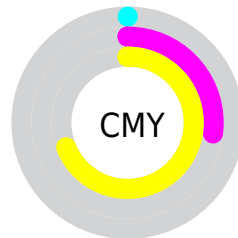


Cyan (0%)

Magenta (27%)

Yellow (69%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.9423, 0.4549, 0.4302 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 56.9423, 0.4549, 0.4302 by changing the saturation by 10% instead.

 56.9423, 0.4549,
0.4302


 56.9423, 0.4549,
0.4302


413.2331, 0.3900,
0.3881


 40.9589, 0.4683,
0.4375

 100.3810, 0.4333,
0.4172

 28.2870, 0.4837,
0.4451


 128.6051, 0.4245,
0.4117


 18.5421, 0.5011,
0.4521


 161.6782, 0.4169,
0.4067

 11.3399, 0.5215,
0.4581

 199.9848, 0.4102,
0.4022

 6.2959, 0.5417,
0.4583

 243.9091, 0.4042,
0.3981

 3.0259, 0.5560,
0.4440

293.8357, 0.3989,

 1.1452, 0.5803,

0.3944

0.4197

350.1489, 0.3942,
0.3911

0.0163, 0.9591,
0.0409

0.0000, 0.0000,
0.0000

56.9423, 0.4549,
0.4302

56.9423, 0.4549,
0.4302

52.5756, 0.4763,
0.4362

61.7485, 0.4319,
0.4199

48.6213, 0.4950,
0.4369

67.0106, 0.4085,
0.4065

45.0488, 0.5102,
0.4325

72.7484, 0.3858,
0.3912

44.7196, 0.5116,
0.4320

78.9789, 0.3644,
0.3749

■ 85.7178, 0.3448,
0.3586

■ 92.9800, 0.3271,
0.3427

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.



56.9423, 0.4773, 0.3711



56.9423, 0.4549, 0.4302



56.9423, 0.3951, 0.4750

Triad

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



56.9423, 0.4549, 0.4302



56.9423, 0.1916, 0.3255



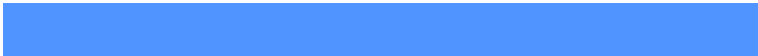
56.9423, 0.2893, 0.2217

Complementary

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



56.9423, 0.4549, 0.4302



30.0505, 0.1983, 0.1871

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.



56.9423, 0.2215, 0.2052



56.9423, 0.4549, 0.4302



56.9423, 0.1716, 0.2528

Square

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



56.9423, 0.4549, 0.4302



56.9423, 0.2432, 0.4160



56.9423, 0.1820, 0.2139



56.9423, 0.3745, 0.2593

Rectangle

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



56.9423, 0.4549, 0.4302



56.9423, 0.3443, 0.4828



56.9423, 0.1820, 0.2139



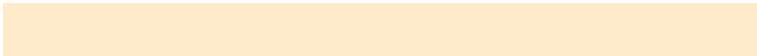
56.9423, 0.2639, 0.2136

Sweetspot

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



56.9436, 0.4549, 0.4302



84.3500, 0.3485, 0.3618



29.0299, 0.4495, 0.2636



17.6511, 0.3539, 0.3663



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.



56.9436, 0.4549, 0.4302



50.9581, 0.4842, 0.4371



90.1570, 0.3939, 0.4917



19.8254, 0.3279, 0.3434



23.6661, 0.5097, 0.4335



2.5171, 0.4966, 0.4439

Inverse Universe

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



30.0505, 0.1983, 0.1871



22.7418, 0.1808, 0.1548



15.3258, 0.1874, 0.1117



18.5456, 0.2979, 0.3141



8.7996, 0.1677, 0.1235



1.0620, 0.1739, 0.1459

Previews

White Background



This preview shows how the Yxy color 56.9423, 0.4549, 0.4302 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 56.9423, 0.4549, 0.4302 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 56.9423, 0.4549, 0.4302

Background



This preview shows how black text looks on a background with the Yxy color 56.9423, 0.4549, 0.4302.



This preview shows how white text looks on a background with the Yxy color 56.9423, 0.4549, 0.4302.

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

56.9423, 0.4549, 0.4302

Protanopia

57.0010, 0.4150, 0.4540

Deuteranopia

56.9017, 0.4473, 0.4367



Tritanopia

56.7749, 0.3712, 0.3177

Trichromacy



Original Color

56.9423, 0.4549, 0.4302

Protanomaly

56.6852, 0.4295, 0.4447

Deuteranomaly

57.0257, 0.4506, 0.4344

Tritanomaly

56.4777, 0.4059, 0.3628

Monochromacy



Original Color

56.9423, 0.4549, 0.4302

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.1275, 0.3651, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9423, 0.4549, 0.4302 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, 186, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 79)  
}
```

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, 186, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 79) }
```

Border

The CSS property to change the border of an element to Yxy 56.9423, 0.4549, 0.4302 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, 186, 79) }
```

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

```
.border{ border-color:rgb(255, 186, 79) }
```

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

Here you see how a box with a 4 pixel rgb(255, 186, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9423, 0.4549, 0.4302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 79) }
```

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

```
.background{ background-color: rgb(255,  
186, 79) }
```

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