

Converting Colors

$Y_{xy}(56.5080, 0.4563, 0.4300)$

Have a look what the booklet for
Yxy(56.5080, 0.4563, 0.4300)
contains.

Yxy(56.5080, 0.4563, 0.4300)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.5080, 0.4563, 0.4300)

Conversions

Conversions Part 1

Format	Color
Hex	FFB94E
RGB	255, 185, 78
RGB Percent	100%, 73%, 31%
CMY	0.0000, 0.2745, 0.6944
CMYK	0.00, 0.27, 0.69, 0.00
HSL	36°, 100%, 65%
HSV	36°, 69%, 100%
XYZ	59.9642, 56.5080, 14.9418
YIQ	193.7320, 76.0670, -18.4370

Conversions

Conversions Part 2

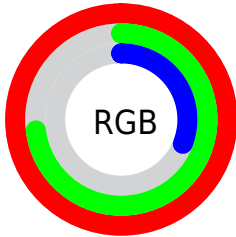
Format	Color
RYB	194, 255, 78
Decimal	16759118
CIELab	79.90, 15.46, 62.19
CIELCh	80, 64.082, 76.038
Yxy	56.5080, 0.4563, 0.4300
Android (android.graphics.Color)	4294949198 (0xFFFFB94E)
YUV	193.7320, -57.0559, 53.7320
Hunter-Lab	75.1718, 10.8379, 40.8353

Details

The Yxy color **56.5080, 0.4563, 0.4300** is a light color, and the websafe version is hex **FFCC66**, and the color name is **floral leaf-colored (hanabai-iro or kayou-iro)**. The color can be described as light washed orange. A complement of this color would be **29.9948, 0.1979, 0.1869**, and the grayscale version is **54.0890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8365, 0.3901, 0.4356**, and **28.0189, 0.4856, 0.4444** is the 20% darker color. If you saturate the color by 10%, you get **52.1429, 0.4778, 0.4357**, and if you desaturate by 10%, it is **61.3169, 0.4332, 0.4199**.

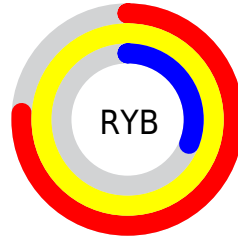
Distribution



Red (100%)

Green (73%)

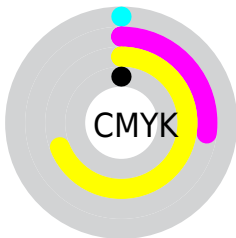
Blue (31%)



Red (76%)

Yellow (100%)

Blue (31%)

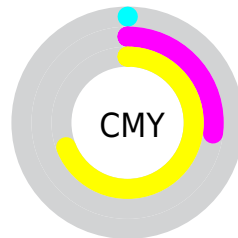


Cyan (0%)

Magenta (27%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (27%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5080, 0.4563, 0.4300 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 56.5080, 0.4563, 0.4300 by changing the saturation by 10% instead.

 56.5080, 0.4563,
0.4300

 56.5080, 0.4563,
0.4300

411.6031, 0.3906,
0.3881

 40.6104, 0.4698,
0.4372


 99.7469, 0.4344,
0.4171


 28.0148, 0.4854,
0.4446


 127.8570, 0.4256,
0.4116

 18.3368, 0.5030,
0.4514

 160.8067, 0.4179,
0.4066

 11.1920, 0.5238,
0.4573

 198.9804, 0.4111,
0.4021

 6.1962, 0.5436,
0.4564

 242.7625, 0.4051,
0.3981

 2.9647, 0.5585,
0.4415

292.5374, 0.3997,

 1.1133, 0.5838,

0.3944

0.4162

348.6895, 0.3950,
0.3911

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

56.5080, 0.4563,
0.4300

56.5080, 0.4563,
0.4300

52.1429, 0.4778,
0.4357

61.3169, 0.4332,
0.4199

48.1934, 0.4965,
0.4361

66.5856, 0.4097,
0.4067

44.6278, 0.5118,
0.4315

72.3343, 0.3868,
0.3915

44.4365, 0.5126,
0.4312

78.5800, 0.3654,
0.3754

85.3389, 0.3456,
0.3591

92.6260, 0.3278,
0.3432

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.



56.5080, 0.4784, 0.3704



56.5080, 0.4563, 0.4300



56.5080, 0.3964, 0.4756

Triad

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



56.5080, 0.4563, 0.4300



56.5080, 0.1912, 0.3265



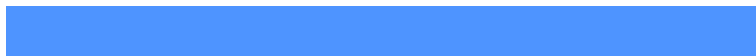
56.5080, 0.2881, 0.2207

Complementary

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



56.5080, 0.4563, 0.4300



29.9948, 0.1979, 0.1869

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.



56.5080, 0.2203, 0.2044



56.5080, 0.4563, 0.4300



56.5080, 0.1709, 0.2529

Square

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



56.5080, 0.4563, 0.4300



56.5080, 0.2435, 0.4177



56.5080, 0.1809, 0.2134



56.5080, 0.3739, 0.2583

Rectangle

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



56.5080, 0.4563, 0.4300



56.5080, 0.3453, 0.4841



56.5080, 0.1809, 0.2134



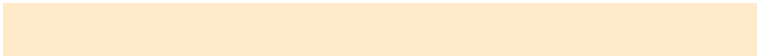
56.5080, 0.2627, 0.2127

Sweetspot

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



56.5096, 0.4563, 0.4300



84.2480, 0.3486, 0.3616



28.8620, 0.4507, 0.2635



17.6268, 0.3539, 0.3661



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.



56.5096, 0.4563, 0.4300



50.6892, 0.4849, 0.4365



90.1242, 0.3941, 0.4923



19.8148, 0.3279, 0.3434



23.5186, 0.5107, 0.4327



2.5032, 0.4974, 0.4433

Inverse Universe

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



29.9948, 0.1979, 0.1869



22.9241, 0.1811, 0.1557



15.1271, 0.1867, 0.1105



18.5558, 0.2979, 0.3142



8.8868, 0.1679, 0.1245



1.0712, 0.1741, 0.1468

Previews

White Background



This preview shows how the Yxy color 56.5080, 0.4563, 0.4300 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 56.5080, 0.4563, 0.4300 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 56.5080, 0.4563, 0.4300

Background



This preview shows how black text looks on a background with the Yxy color 56.5080, 0.4563, 0.4300.



This preview shows how white text looks on a background with the Yxy color 56.5080, 0.4563, 0.4300.

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

56.5080, 0.4563, 0.4300

Protanopia

56.8282, 0.4147, 0.4553

Deuteranopia

56.7052, 0.4470, 0.4378



Tritanopia

56.3351, 0.3724, 0.3177

Trichromacy



Original Color

56.5080, 0.4563, 0.4300

Protanomaly

56.5013, 0.4292, 0.4459

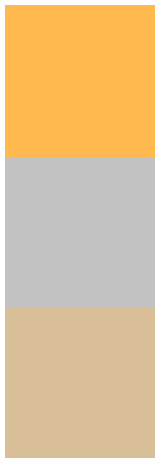
Deuteranomaly

56.8263, 0.4503, 0.4356

Tritanomaly

56.0406, 0.4073, 0.3628

Monochromacy



Original Color

56.5080, 0.4563, 0.4300

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 56.5080, 0.4563, 0.4300 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, 185, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 78)  
}
```

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, 185, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 78) }
```

Border

The CSS property to change the border of an element to Yxy 56.5080, 0.4563, 0.4300 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, 185, 78) }
```

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

```
.border{ border-color:rgb(255, 185, 78) }
```

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

Here you see how a box with a 4 pixel rgb(255, 185, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5080, 0.4563, 0.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 78) }
```

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

```
.background{ background-color: rgb(255,  
185, 78) }
```

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