

Converting Colors

$Y_{xy}(55.7905, 0.4598, 0.4312)$

Have a look what the booklet for
Yxy(55.7905, 0.4598, 0.4312)
contains.

Yxy(55.6214, 0.4601, 0.4308)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.6214, 0.4601, 0.4308)

Conversions

Conversions Part 1

Format	Color
Hex	FFB74A
RGB	255, 183, 74
RGB Percent	100%, 72%, 29%
CMY	0.0001, 0.2823, 0.7097
CMYK	0.00, 0.28, 0.71, 0.00
HSL	36°, 100%, 65%
HSV	36°, 71%, 100%
XYZ	59.4044, 55.6214, 14.0861
YIQ	192.1020, 77.9010, -18.6350

Conversions

Conversions Part 2

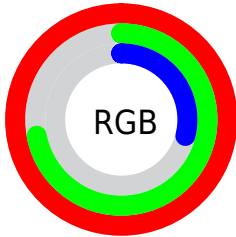
Format	Color
RYB	194, 255, 74
Decimal	16758602
CIELab	79.40, 16.30, 63.33
CIELCh	79, 65.390, 75.569
Yxy	55.6214, 0.4601, 0.4308
Android (android.graphics.Color)	4294948682 (0xFFFFB74A)
YUV	192.1020, -58.2243, 55.1615
Hunter-Lab	74.5798, 11.6645, 41.0075

Details

The Yxy color **55.6214, 0.4601, 0.4308** 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 **29.2270, 0.1959, 0.1839**, and the grayscale version is **53.0899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5515, 0.3932, 0.4374**, and **27.4588, 0.4904, 0.4445** is the 20% darker color. If you saturate the color by 10%, you get **51.3134, 0.4814, 0.4357**, and if you desaturate by 10%, it is **60.3755, 0.4370, 0.4214**.

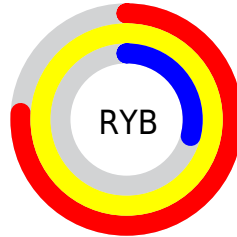
Distribution



Red (100%)

Green (72%)

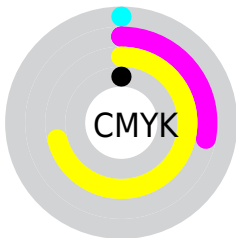
Blue (29%)



Red (76%)

Yellow (100%)

Blue (29%)

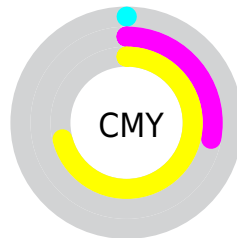


Cyan (0%)

Magenta (28%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (28%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6214, 0.4601, 0.4308 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 55.6214, 0.4601, 0.4308 by changing the saturation by 10% instead.


 55.6214, 0.4601,
0.4308


 55.6214, 0.4601,
0.4308


408.2631, 0.3927,
0.3889

 39.8995, 0.4739,
0.4378


 98.4508, 0.4377,
0.4181

 27.4602, 0.4897,
0.4449


 126.3271, 0.4287,
0.4125

 17.9191, 0.5075,
0.4511


 159.0235, 0.4207,
0.4075

 10.8919, 0.5295,
0.4570

 196.9246, 0.4137,
0.4030

 5.9942, 0.5472,
0.4528

 240.4148, 0.4076,
0.3990

 2.8416, 0.5631,
0.4369

289.8783, 0.4021,

 1.0496, 0.5904,

0.3953

0.4096

345.6996, 0.3972,
0.3920

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.6214, 0.4601,
0.4308

■ 55.6214, 0.4601,
0.4308

■ 51.3134, 0.4814,
0.4357

■ 60.3755, 0.4370,
0.4214

■ 47.4188, 0.4996,
0.4352

■ 65.5886, 0.4134,
0.4086

■ 44.2292, 0.5133,
0.4306

■ 71.2823, 0.3904,
0.3937

■ 77.4741, 0.3686,
0.3777

84.1803, 0.3485,
0.3614

91.4162, 0.3304,
0.3456

99.1962, 0.3142,
0.3304

99.9960, 0.3127,
0.3290

Harmonies

Analogous

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



55.6214, 0.4824, 0.3698



55.6214, 0.4601, 0.4308



55.6214, 0.3991, 0.4785

Triad

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



55.6214, 0.4601, 0.4308



55.6214, 0.1890, 0.3275



55.6214, 0.2861, 0.2180

Complementary

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



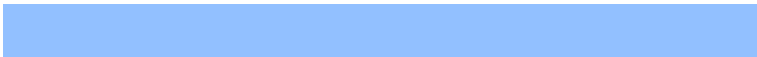
55.6214, 0.4601, 0.4308



29.2270, 0.1959, 0.1839

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.



55.6214, 0.2173, 0.2017



55.6214, 0.4601, 0.4308



55.6214, 0.1680, 0.2518

Square

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



55.6214, 0.4601, 0.4308



55.6214, 0.2427, 0.4216



55.6214, 0.1778, 0.2112



55.6214, 0.3739, 0.2560

Rectangle

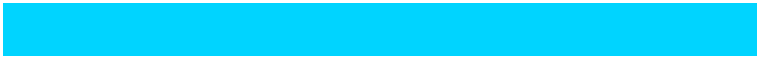
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.6214, 0.4601, 0.4308



55.6214, 0.3469, 0.4884



55.6214, 0.1778, 0.2112



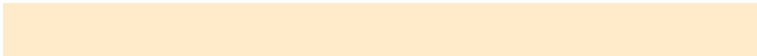
55.6214, 0.2602, 0.2100

Sweetspot

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



55.6242, 0.4601, 0.4308



84.1759, 0.3486, 0.3615



28.2438, 0.4554, 0.2630



17.6096, 0.3540, 0.3660



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.



55.6242, 0.4601, 0.4308



49.7049, 0.4892, 0.4362



89.9856, 0.3951, 0.4946



19.8074, 0.3279, 0.3433



23.4149, 0.5113, 0.4322



2.4935, 0.4980, 0.4428

Inverse Universe

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



29.2270, 0.1959, 0.1839



22.1640, 0.1792, 0.1520



14.3997, 0.1841, 0.1064



18.5630, 0.2979, 0.3143



8.9490, 0.1681, 0.1252



1.0777, 0.1743, 0.1475

Previews

White Background



This preview shows how the Yxy color 55.6214, 0.4601, 0.4308 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 55.6214, 0.4601, 0.4308 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 55.6214, 0.4601, 0.4308

Background



This preview shows how black text looks on a background with the Yxy color 55.6214, 0.4601, 0.4308.



This preview shows how white text looks on a background with the Yxy color 55.6214, 0.4601, 0.4308.

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

55.6214, 0.4601, 0.4308

Protanopia

55.6982, 0.4174, 0.4572

Deuteranopia

55.6145, 0.4500, 0.4392



Tritanopia

55.4651, 0.3747, 0.3177

Trichromacy



Original Color

55.6214, 0.4601, 0.4308

Protanomaly

55.5587, 0.4329, 0.4471

Deuteranomaly

55.7386, 0.4533, 0.4369

Tritanomaly

55.1451, 0.4109, 0.3638

Monochromacy



Original Color

55.6214, 0.4601, 0.4308

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.0122, 0.3673, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6214, 0.4601, 0.4308 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, 183, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 74)  
}
```

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, 183, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 74) }
```

Border

The CSS property to change the border of an element to Yxy 55.6214, 0.4601, 0.4308 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, 183, 74) }
```

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

```
.border{ border-color:rgb(255, 183, 74) }
```

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

Here you see how a box with a 4 pixel rgb(255, 183, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6214, 0.4601, 0.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 183, 74) }
```

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

```
.background{ background-color: rgb(255,  
183, 74) }
```

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