

Converting Colors

$Y_{xy}(58.9840, 0.4767, 0.4221)$

Have a look what the booklet for
Yxy(58.9840, 0.4767, 0.4221)
contains.

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Color

Yxy(55.1969, 0.4615, 0.4305)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFB649 |
| RGB | 255, 182, 73 |
| RGB Percent | 100%, 71%, 29% |
| CMY | 0.0000, 0.2863, 0.7135 |
| CMYK | 0.00, 0.29, 0.71, 0.00 |
| HSL | 36°, 100%, 64% |
| HSV | 36°, 71%, 100% |
| XYZ | 59.1716, 55.1969, 13.8473 |
| YIQ | 191.4010, 78.4970, -18.4230 |

Conversions

Conversions Part 2

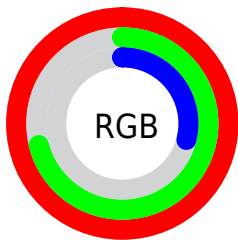
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 195, 255, 73 |
| Decimal | 16758345 |
| CIELab | 79.15, 16.79, 63.48 |
| CIELCh | 79, 65.664, 75.189 |
| Yxy | 55.1969, 0.4615, 0.4305 |
| Android (android.graphics.Color) | 4294948425 (0xFFFFB649) |
| YUV | 191.4010, -58.3717, 55.7763 |
| Hunter-Lab | 74.2946, 12.1499, 40.9555 |

Details

The Yxy color **55.1969, 0.4615, 0.4305** 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 **29.2102, 0.1956, 0.1838**, and the grayscale version is **52.6616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9414, 0.3942, 0.4375**, and **27.1896, 0.4922, 0.4439** is the 20% darker color. If you saturate the color by 10%, you get **50.8892, 0.4829, 0.4351**, and if you desaturate by 10%, it is **59.9549, 0.4383, 0.4213**.

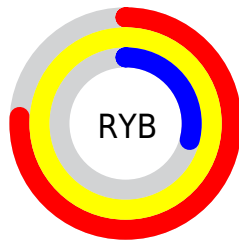
Distribution



Red (100%)

Green (71%)

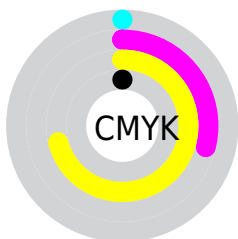
Blue (29%)



Red (76%)

Yellow (100%)

Blue (29%)

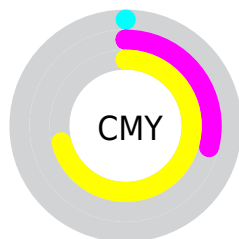


Cyan (0%)

Magenta (29%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.1969, 0.4615, 0.4305 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 55.1969, 0.4615, 0.4305 by changing the saturation by 10% instead.


 55.1969, 0.4615,
0.4305


 55.1969, 0.4615,
0.4305


406.6579, 0.3934,
0.3889


 39.5594, 0.4755,
0.4374

 97.8294, 0.4389,
0.4179

 27.1952, 0.4914,
0.4443


 125.5931, 0.4297,
0.4124

 17.7199, 0.5094,
0.4503


 158.1678, 0.4217,
0.4074

 10.7490, 0.5320,
0.4561

 195.9377, 0.4147,
0.4029

 5.8983, 0.5492,
0.4508

 239.2873, 0.4084,
0.3989

 2.7834, 0.5657,
0.4343

288.6009, 0.4029,

 1.0197, 0.5941,

0.3952

0.4059

344.2630, 0.3979,
0.3919

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

55.1969, 0.4615,
0.4305

55.1969, 0.4615,
0.4305

50.8892, 0.4829,
0.4351

59.9549, 0.4383,
0.4213

46.9987, 0.5012,
0.4344

65.1762, 0.4146,
0.4087

43.9436, 0.5143,
0.4298

70.8828, 0.3914,
0.3939

77.0925, 0.3695,
0.3780

83.8216, 0.3493,
0.3619

91.0857, 0.3311,
0.3461

98.8994, 0.3148,
0.3310

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



55.1969, 0.4834, 0.3691



55.1969, 0.4615, 0.4305



55.1969, 0.4004, 0.4790

Triad

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



55.1969, 0.4615, 0.4305



55.1969, 0.1888, 0.3286



55.1969, 0.2849, 0.2171

Complementary

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



55.1969, 0.4615, 0.4305



29.2102, 0.1956, 0.1838

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.



55.1969, 0.2161, 0.2010



55.1969, 0.4615, 0.4305



55.1969, 0.1672, 0.2520

Square

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



55.1969, 0.4615, 0.4305



55.1969, 0.2430, 0.4234



55.1969, 0.1768, 0.2108



55.1969, 0.3732, 0.2550

Rectangle

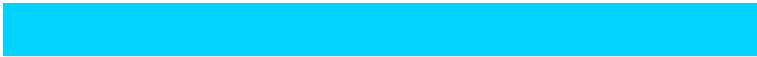
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.1969, 0.4615, 0.4305



55.1969, 0.3480, 0.4896



55.1969, 0.1768, 0.2108



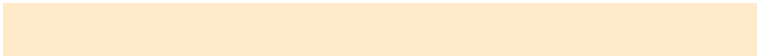
55.1969, 0.2589, 0.2091

Sweetspot

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



55.1997, 0.4615, 0.4305



84.0692, 0.3486, 0.3613



28.1973, 0.4521, 0.2600



17.5841, 0.3540, 0.3658



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.



55.1997, 0.4615, 0.4305



49.0309, 0.4918, 0.4355



90.4973, 0.3974, 0.4938



19.7964, 0.3279, 0.3432



23.2621, 0.5123, 0.4314



2.4791, 0.4988, 0.4421

Inverse Universe

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



29.2102, 0.1956, 0.1838



21.9245, 0.1785, 0.1509



14.0771, 0.1819, 0.1046



18.5738, 0.2979, 0.3144



9.0420, 0.1684, 0.1262



1.0874, 0.1746, 0.1485

Previews

White Background



This preview shows how the Yxy color 55.1969, 0.4615, 0.4305 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 55.1969, 0.4615, 0.4305 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 55.1969, 0.4615, 0.4305

Background



This preview shows how black text looks on a background with the Yxy color 55.1969, 0.4615, 0.4305.



This preview shows how white text looks on a background with the Yxy color 55.1969, 0.4615, 0.4305.

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

55.1969, 0.4615, 0.4305

Protanopia

55.5284, 0.4171, 0.4584

Deuteranopia

55.4210, 0.4497, 0.4403



Tritanopia

55.0349, 0.3759, 0.3176

Trichromacy



Original Color

55.1969, 0.4615, 0.4305

Protanomaly

55.3769, 0.4326, 0.4483

Deuteranomaly

55.3055, 0.4546, 0.4366

Tritanomaly

54.7179, 0.4122, 0.3638

Monochromacy



Original Color

55.1969, 0.4615, 0.4305

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

52.4007, 0.3676, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1969, 0.4615, 0.4305 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, 182, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 73)  
}
```

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, 182, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 73) }
```

Border

The CSS property to change the border of an element to Yxy 55.1969, 0.4615, 0.4305 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, 182, 73) }
```

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

```
.border{ border-color:rgb(255, 182, 73) }
```

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

Here you see how a box with a 4 pixel rgb(255, 182, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1969, 0.4615, 0.4305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 73) }
```

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

```
.background{ background-color: rgb(255,  
182, 73) }
```

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](#).

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