

Converting Colors

$Y_{xy}(64.6405, 0.4905, 0.3997)$

Have a look what the booklet for
Yxy(64.6405, 0.4905, 0.3997)
contains.

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Color

Yxy(54.2215, 0.4545, 0.4165)

Conversions

Conversions Part 1

Format	Color
Hex	FFB359
RGB	255, 179, 89
RGB Percent	100%, 70%, 35%
CMY	0.0000, 0.2980, 0.6511
CMYK	0.00, 0.30, 0.65, 0.00
HSL	33°, 100%, 67%
HSV	33°, 65%, 100%
XYZ	59.1685, 54.2215, 16.7937
YIQ	191.4640, 74.1860, -11.8780

Conversions

Conversions Part 2

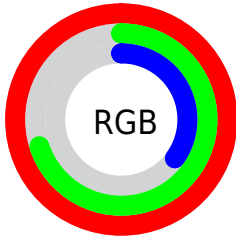
Format	Color
R _Y B	229, 255, 89
Decimal	16757593
CIE Lab	78.59, 19.21, 55.83
CIE LCh	79, 59.043, 71.014
Yxy	54.2215, 0.4545, 0.4165
Android (android.graphics.Color)	4294947673 (0xFFFFB359)
YUV	191.4640, -50.5148, 55.7211
Hunter-Lab	73.6352, 14.5693, 38.0226

Details

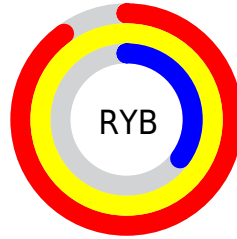
The Yxy color **54.2215, 0.4545, 0.4165** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **36.2471, 0.2076, 0.2112**, and the grayscale version is **52.6480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6297, 0.3869, 0.4216**, and **26.5184, 0.4863, 0.4294** is the 20% darker color. If you saturate the color by 10%, you get **49.3806, 0.4799, 0.4229**, and if you desaturate by 10%, it is **59.6043, 0.4285, 0.4062**.

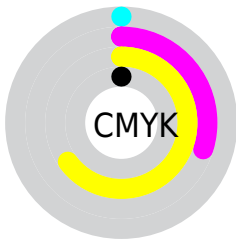
Distribution



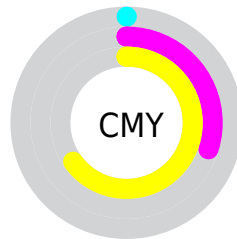
- Red (100%)
- Green (70%)
- Blue (35%)



- Red (90%)
- Yellow (100%)
- Blue (35%)



- Cyan (0%)
- Magenta (30%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (30%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.2215, 0.4545, 0.4165 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 54.2215, 0.4545, 0.4165 by changing the saturation by 10% instead.

 54.2215, 0.4545,
0.4165


 54.2215, 0.4545,
0.4165


402.9541, 0.3880,
0.3800


 38.7788, 0.4689,
0.4229


 96.3994, 0.4319,
0.4052

 26.5877, 0.4858,
0.4295

 123.9033, 0.4229,
0.4004

 17.2638, 0.5057,
0.4355


 156.1965, 0.4151,
0.3961

 10.4228, 0.5288,
0.4396

 193.6633, 0.4083,
0.3922

 5.6801, 0.5585,
0.4415

236.6880, 0.4023,
0.3887

 2.6516, 0.5776,
0.4224

285.6551, 0.3970,

 0.9527, 0.6104,

0.3855

0.3896

340.9490, 0.3922,
0.3826

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

54.2215, 0.4545,
0.4165

54.2215, 0.4545,
0.4165

49.3806, 0.4799,
0.4229

59.6043, 0.4285,
0.4062

45.0595, 0.5030,
0.4243

65.5561, 0.4031,
0.3934

41.2272, 0.5226,
0.4202

72.0968, 0.3793,
0.3791

39.5125, 0.5310,
0.4166

79.2464, 0.3575,
0.3644

87.0235, 0.3380,
0.3498

95.4457, 0.3207,
0.3358

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.



54.2215, 0.4667, 0.3597



54.2215, 0.4545, 0.4165



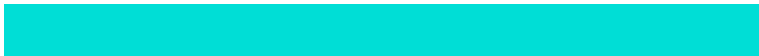
54.2215, 0.4035, 0.4618

Triad

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



54.2215, 0.4545, 0.4165



54.2215, 0.2047, 0.3412



54.2215, 0.2776, 0.2225

Complementary

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



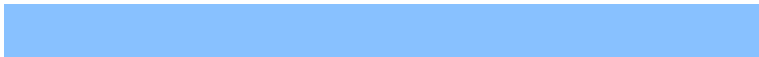
54.2215, 0.4545, 0.4165



36.2471, 0.2076, 0.2112

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.



54.2215, 0.2175, 0.2109



54.2215, 0.4545, 0.4165



54.2215, 0.1798, 0.2677

Square

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



54.2215, 0.4545, 0.4165



54.2215, 0.2591, 0.4240



54.2215, 0.1846, 0.2244



54.2215, 0.3566, 0.2553

Rectangle

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



54.2215, 0.4545, 0.4165



54.2215, 0.3569, 0.4738



54.2215, 0.1846, 0.2244



54.2215, 0.2548, 0.2160

Sweetspot

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



54.2202, 0.4545, 0.4165



83.1375, 0.3473, 0.3569



31.1715, 0.4224, 0.2545



17.3320, 0.3529, 0.3610



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.



54.2202, 0.4545, 0.4165



48.0778, 0.4869, 0.4239



92.4664, 0.3989, 0.4803



19.6191, 0.3281, 0.3419



20.9486, 0.5287, 0.4184



2.2583, 0.5128, 0.4310

Inverse Universe

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



36.2471, 0.2076, 0.2112



28.9793, 0.1911, 0.1837



16.7686, 0.1884, 0.1202



18.7478, 0.2979, 0.3158



10.6789, 0.1732, 0.1436



1.2551, 0.1792, 0.1651

Previews

White Background



This preview shows how the Yxy color 54.2215, 0.4545, 0.4165 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 54.2215, 0.4545, 0.4165 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 54.2215, 0.4545, 0.4165

Background



This preview shows how black text looks on a background with the Yxy color 54.2215, 0.4545, 0.4165.



This preview shows how white text looks on a background with the Yxy color 54.2215, 0.4545, 0.4165.

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

54.2215, 0.4545, 0.4165

Protanopia

54.4373, 0.4061, 0.4434

Deuteranopia

54.0868, 0.4393, 0.4294



Tritanopia

54.1839, 0.3784, 0.3176

Trichromacy



Original Color

54.2215, 0.4545, 0.4165

Protanomaly

53.9909, 0.4237, 0.4336

Deuteranomaly

54.1644, 0.4445, 0.4246

Tritanomaly

54.0899, 0.4087, 0.3566

Monochromacy



Original Color

54.2215, 0.4545, 0.4165

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

52.1699, 0.3629, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.2215, 0.4545, 0.4165 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, 179, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 89)  
}
```

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, 179, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 89) }
```

Border

The CSS property to change the border of an element to Yxy 54.2215, 0.4545, 0.4165 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, 179, 89) }
```

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

```
.border{ border-color:rgb(255, 179, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 179, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 54.2215, 0.4545, 0.4165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 89) }
```

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

```
.background{ background-color: rgb(255,  
179, 89) }
```

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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