

Converting Colors

$Y_{xy}(54.4252, 0.4745, 0.4435)$

Have a look what the booklet for
Yxy(54.4252, 0.4745, 0.4435)
contains.

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Color

Yxy(54.5050, 0.4744, 0.4439)

Conversions

Conversions Part 1

Format	Color
Hex	FFB52E
RGB	255, 181, 46
RGB Percent	100%, 71%, 18%
CMY	0.0001, 0.2901, 0.8197
CMYK	0.00, 0.29, 0.82, 0.00
HSL	39°, 100%, 59%
HSV	39°, 82%, 100%
XYZ	58.2500, 54.5050, 10.0317
YIQ	187.7360, 87.4390, -26.2970

Conversions

Conversions Part 2

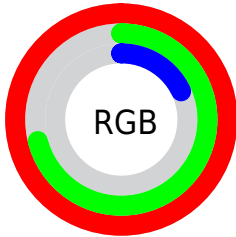
Format	Color
R _Y B	161, 255, 46
Decimal	16758062
CIE Lab	78.76, 16.28, 73.04
CIE LCh	79, 74.833, 77.436
Yxy	54.5050, 0.4744, 0.4439
Android (android.graphics.Color)	4294948142 (0xFFFFB52E)
YUV	187.7360, -69.8758, 58.9905
Hunter-Lab	73.8275, 11.6386, 43.6229

Details

The Yxy color **54.5050, 0.4744, 0.4439** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **21.2143, 0.1792, 0.1469**, and the grayscale version is **50.4983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8278, 0.4066, 0.4550**, and **26.7758, 0.4945, 0.4456** is the 20% darker color. If you saturate the color by 10%, you get **50.8112, 0.4902, 0.4439**, and if you desaturate by 10%, it is **58.5611, 0.4555, 0.4386**.

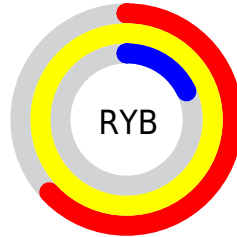
Distribution



Red (100%)

Green (71%)

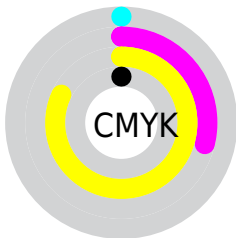
Blue (18%)



Red (63%)

Yellow (100%)

Blue (18%)

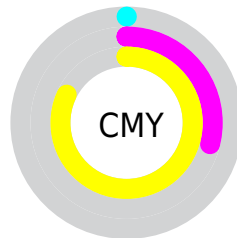


Cyan (0%)

Magenta (29%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5050, 0.4744, 0.4439 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 54.5050, 0.4744, 0.4439 by changing the saturation by 10% instead.

 54.5050, 0.4744,
0.4439


 54.5050, 0.4744,
0.4439


404.0328, 0.4026,
0.3987

 39.0055, 0.4881,
0.4505


 96.8153, 0.4513,
0.4309


 26.7640, 0.5030,
0.4565


 124.3950, 0.4417,
0.4250

 17.3961, 0.5190,
0.4606


 156.7702, 0.4332,
0.4195

 10.5173, 0.5373,
0.4627


 194.3253, 0.4257,
0.4146

 5.7433, 0.5479,
0.4521

 237.4447, 0.4190,
0.4100

 2.6896, 0.5643,
0.4357

 286.5128, 0.4129,

 0.9719, 0.5927,

0.4059

0.4073

341.9141, 0.4075,
0.4021

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.5050, 0.4744,
0.4439

■ 54.5050, 0.4744,
0.4439

■ 50.8112, 0.4902,
0.4439

■ 58.5611, 0.4555,
0.4386

■ 48.0761, 0.5008,
0.4406

■ 62.9939, 0.4344,
0.4288

■ 67.8257, 0.4125,
0.4154

■ 73.0738, 0.3906,
0.3997

78.7541, 0.3696,
0.3827

84.8812, 0.3500,
0.3654

91.4688, 0.3320,
0.3484

98.5300, 0.3157,
0.3321

99.9953, 0.3127,
0.3290

Harmonies

Analogous

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



54.5050, 0.5061, 0.3751



54.5050, 0.4744, 0.4439



54.5050, 0.4019, 0.5008

Triad

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



54.5050, 0.4744, 0.4439



54.5050, 0.1703, 0.3189



54.5050, 0.2873, 0.2068

Complementary

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



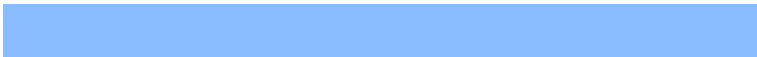
54.5050, 0.4744, 0.4439



21.2143, 0.1792, 0.1469

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.



54.5050, 0.2087, 0.1870



54.5050, 0.4744, 0.4439



54.5050, 0.1506, 0.2357

Square

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



54.5050, 0.4744, 0.4439



54.5050, 0.2268, 0.4308



54.5050, 0.1637, 0.1945



54.5050, 0.3888, 0.2497

Rectangle

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



54.5050, 0.4744, 0.4439



54.5050, 0.3425, 0.5135



54.5050, 0.1637, 0.1945



54.5050, 0.2575, 0.1974

Sweetspot

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



54.5077, 0.4744, 0.4439



82.9949, 0.3557, 0.3707



24.6273, 0.5010, 0.2696



17.3028, 0.3626, 0.3768



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.



54.5077, 0.4744, 0.4439



48.7521, 0.4982, 0.4415



88.0498, 0.3951, 0.5119



19.9456, 0.3278, 0.3443



25.4180, 0.4991, 0.4419



2.6808, 0.4876, 0.4511

Inverse Universe

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



21.2143, 0.1792, 0.1469



15.1746, 0.1652, 0.1136



10.6196, 0.1707, 0.0830



18.4293, 0.2979, 0.3132



7.8676, 0.1647, 0.1129



0.9627, 0.1709, 0.1353

Previews

White Background



This preview shows how the Yxy color 54.5050, 0.4744, 0.4439 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 54.5050, 0.4744, 0.4439 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 54.5050, 0.4744, 0.4439

Background



This preview shows how black text looks on a background with the Yxy color 54.5050, 0.4744, 0.4439.



This preview shows how white text looks on a background with the Yxy color 54.5050, 0.4744, 0.4439.

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

54.5050, 0.4744, 0.4439

Protanopia

54.7702, 0.4296, 0.4751

Deuteranopia

54.4726, 0.4642, 0.4530



Tritanopia

54.5660, 0.3781, 0.3187

Trichromacy



Original Color

54.5050, 0.4744, 0.4439

Protanomaly

54.6392, 0.4454, 0.4639

Deuteranomaly

54.6102, 0.4672, 0.4501

Tritanomaly

54.0041, 0.4224, 0.3740

Monochromacy



Original Color

54.5050, 0.4744, 0.4439

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.4725, 0.3769, 0.3886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5050, 0.4744, 0.4439 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, 181, 46)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 46)  
}
```

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, 181, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 46) }
```

Border

The CSS property to change the border of an element to Yxy 54.5050, 0.4744, 0.4439 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, 181, 46) }
```

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

```
.border{ border-color:rgb(255, 181, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 181, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5050, 0.4744, 0.4439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 46) }
```

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

```
.background{ background-color: rgb(255,  
181, 46) }
```

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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