

# Converting Colors

Yxy(54.5033, 0.4648, 0.4313)

Have a look what the booklet for  
Yxy(54.5033, 0.4648, 0.4313)  
contains.

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# Color

**Yxy(54.3322, 0.4654, 0.4312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB445
RGB	255, 180, 69
RGB Percent	100%, 71%, 27%
CMY	0.0000, 0.2941, 0.7293
CMYK	0.00, 0.29, 0.73, 0.00
HSL	36°, 100%, 64%
HSV	36°, 73%, 100%
XYZ	58.6415, 54.3322, 13.0286
YIQ	189.7710, 80.3310, -18.6210

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">195, 255, 69</a>
Decimal	<a href="#">16757829</a>
CIELab	<a href="#">78.66, 17.66, 64.64</a>
CIELCh	<a href="#">79, 67.013, 74.720</a>
Yxy	<a href="#">54.3322, 0.4654, 0.4312</a>
Android (android.graphics.Color)	<a href="#">4294947909</a> (0xFFFFB445)
YUV	<a href="#">189.7710, -59.5401, 57.2058</a>
Hunter-Lab	<a href="#">73.7104, 13.0154, 41.1175</a>

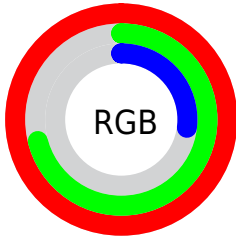
# Details

The Yxy color **54.3322, 0.4654, 0.4312** 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 **28.4380, 0.1936, 0.1807**, and the grayscale version is **51.6675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6810, 0.3974, 0.4392**, and **26.5162, 0.4959, 0.4445** is the 20% darker color. If you saturate the color by 10%, you get **50.0803, 0.4864, 0.4350**, and if you desaturate by 10%, it is **59.0259, 0.4423, 0.4227**.

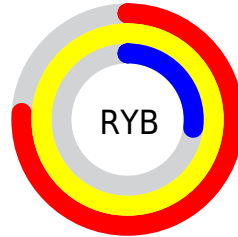
# Distribution



Red (100%)

Green (71%)

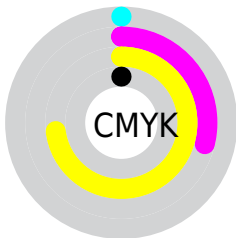
Blue (27%)



Red (76%)

Yellow (100%)

Blue (27%)

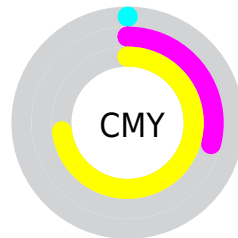


Cyan (0%)

Magenta (29%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3322, 0.4654, 0.4312 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 54.3322, 0.4654, 0.4312 by changing the saturation by 10% instead.




 54.3322, 0.4654,  
0.4312

 54.3322, 0.4654,  
0.4312


403.3755, 0.3956,  
0.3897

 38.8673, 0.4796,  
0.4379


 96.5618, 0.4422,  
0.4188

 26.6565, 0.4959,  
0.4444


 124.0954, 0.4329,  
0.4133


 17.3154, 0.5140,  
0.4497


 156.4206, 0.4246,  
0.4083

 10.4596, 0.5381,  
0.4558

 193.9219, 0.4174,  
0.4038

 5.7048, 0.5529,  
0.4471

 236.9836, 0.4110,  
0.3998

 2.6664, 0.5706,  
0.4294

285.9902, 0.4053,

 0.9602, 0.6012,

0.3961

341.3260, 0.4002,  
0.3927

0.3988

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

54.3322, 0.4654,  
0.4312

54.3322, 0.4654,  
0.4312

50.0803, 0.4864,  
0.4350

59.0259, 0.4423,  
0.4227

46.2480, 0.5043,  
0.4333

64.1867, 0.4185,  
0.4106

43.7699, 0.5149,  
0.4293

69.8331, 0.3951,  
0.3961

75.9830, 0.3729,  
0.3804

82.6533, 0.3524,  
0.3643

89.8595, 0.3338,  
0.3485

97.6166, 0.3172,  
0.3333

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.



54.3322, 0.4875, 0.3683



54.3322, 0.4654, 0.4312



54.3322, 0.4031, 0.4819

# Triad

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



54.3322, 0.4654, 0.4312



54.3322, 0.1866, 0.3298



54.3322, 0.2828, 0.2143

# Complementary

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



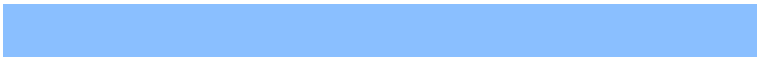
54.3322, 0.4654, 0.4312



28.4380, 0.1936, 0.1807

# 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.



54.3322, 0.2130, 0.1983



54.3322, 0.4654, 0.4312



54.3322, 0.1643, 0.2508

# Square

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



54.3322, 0.4654, 0.4312



54.3322, 0.2422, 0.4276



54.3322, 0.1736, 0.2085



54.3322, 0.3732, 0.2526



# Rectangle

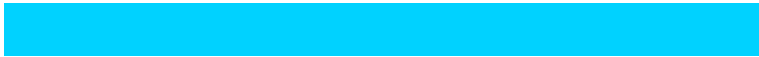
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.3322, 0.4654, 0.4312



54.3322, 0.3497, 0.4940



54.3322, 0.1736, 0.2085



54.3322, 0.2564, 0.2063

# Sweetspot

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



54.3311, 0.4654, 0.4312



83.3041, 0.3506, 0.3628



27.6094, 0.4568, 0.2595



17.4293, 0.3559, 0.3672



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.



54.3311, 0.4654, 0.4312



48.0887, 0.4959, 0.4348



90.3880, 0.3984, 0.4960



19.7898, 0.3279, 0.3432



23.1713, 0.5129, 0.4309



2.4705, 0.4993, 0.4417



# Inverse Universe

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



28.4380, 0.1936, 0.1807



21.2031, 0.1767, 0.1472



13.3868, 0.1793, 0.1005



18.5802, 0.2979, 0.3144



9.0981, 0.1686, 0.1268



1.0933, 0.1748, 0.1491



# Previews

## White Background



This preview shows how the Yxy color 54.3322, 0.4654, 0.4312 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 54.3322, 0.4654, 0.4312 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 54.3322, 0.4654, 0.4312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.3322, 0.4654, 0.4312.



This preview shows how white text looks on a background with the Yxy color 54.3322, 0.4654, 0.4312.

# 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

54.3322, 0.4654, 0.4312

### Protanopia

54.4167, 0.4198, 0.4602

### Deuteranopia

54.3363, 0.4531, 0.4422



## Tritanopia

54.1839, 0.3784, 0.3176

# Trichromacy



**Original Color**

54.3322, 0.4654, 0.4312

**Protanomaly**

54.2837, 0.4354, 0.4499

**Deuteranomaly**

54.2408, 0.4576, 0.4379

**Tritanomaly**

53.8729, 0.4150, 0.3638

# Monochromacy



**Original Color**

54.3322, 0.4654, 0.4312

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

51.4893, 0.3700, 0.3774

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.3322, 0.4654, 0.4312 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, 180, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 69)  
}
```

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, 180, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 69) }
```

## Border

The CSS property to change the border of an element to Yxy 54.3322, 0.4654, 0.4312 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, 180, 69) }
```

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

```
.border{ border-color:rgb(255, 180, 69) }
```

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

Here you see how a box with a 4 pixel rgb(255, 180, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
69) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.3322, 0.4654, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 69) }
```

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

```
.background{ background-color: rgb(255,  
180, 69) }
```

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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