

# Converting Colors

$Y_{xy}(58.1291, 0.4627, 0.4062)$

Have a look what the booklet for  
Yxy(58.1291, 0.4627, 0.4062)  
contains.

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# Color

**Yxy(54.7470, 0.4490, 0.4119)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB460
RGB	255, 180, 96
RGB Percent	100%, 71%, 38%
CMY	0.0000, 0.2941, 0.6235
CMYK	0.00, 0.29, 0.62, 0.00
HSL	32°, 100%, 69%
HSV	32°, 62%, 100%
XYZ	59.6781, 54.7470, 18.4882
YIQ	192.8490, 71.6640, -10.2240

# Conversions

## Conversions Part 2

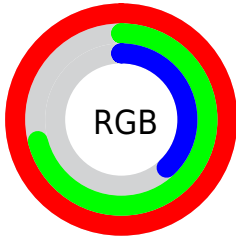
Format	Color
R <sub>Y</sub> B	238, 255, 96
Decimal	16757856
CIE Lab	78.90, 19.12, 52.86
CIE LCh	79, 56.214, 70.117
Yxy	54.7470, 0.4490, 0.4119
Android (android.graphics.Color)	4294947936 (0xFFFFB460)
YUV	192.8490, -47.7466, 54.5064
Hunter-Lab	73.9912, 14.4857, 36.9790

# Details

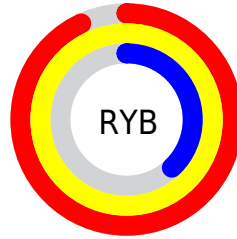
The Yxy color **54.7470, 0.4490, 0.4119** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.8348, 0.2122, 0.2201**, and the grayscale version is **53.4877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4208, 0.3822, 0.4159**, and **26.8375, 0.4795, 0.4246** is the 20% darker color. If you saturate the color by 10%, you get **49.7022, 0.4754, 0.4192**, and if you desaturate by 10%, it is **60.3636, 0.4225, 0.4011**.

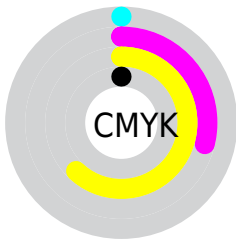
# Distribution



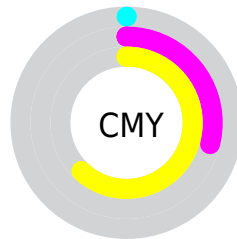
- Red (100%)
- Green (71%)
- Blue (38%)



- Red (93%)
- Yellow (100%)
- Blue (38%)



- Cyan (0%)
- Magenta (29%)
- Yellow (62%)
- Black (0%)



- Cyan (0%)
- Magenta (29%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7470, 0.4490, 0.4119 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 54.7470, 0.4490, 0.4119 by changing the saturation by 10% instead.





 54.7470, 0.4490,  
0.4119


 54.7470, 0.4490,  
0.4119


404.9522, 0.3847,  
0.3770

 39.1992, 0.4631,  
0.4182

 97.1702, 0.4270,  
0.4010


 26.9147, 0.4799,  
0.4248


 124.8143, 0.4183,  
0.3963

 17.5092, 0.4998,  
0.4313


 157.2594, 0.4108,  
0.3922

 10.5982, 0.5232,  
0.4360

 194.8898, 0.4042,  
0.3885

 5.7973, 0.5577,  
0.4423

238.0898, 0.3984,  
0.3852

 2.7222, 0.5764,  
0.4236

287.2440, 0.3933,

 0.9885, 0.6085,

0.3822

0.3915

342.7367, 0.3888,  
0.3795

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

54.7470, 0.4490,  
0.4119

54.7470, 0.4490,  
0.4119

49.7022, 0.4754,  
0.4192

60.3636, 0.4225,  
0.4011

45.2061, 0.5000,  
0.4218


66.5786, 0.3970,  
0.3881


41.2282, 0.5213,  
0.4188

73.4128, 0.3734,  
0.3740

38.5073, 0.5352,  
0.4133

80.8864, 0.3521,  
0.3596

 89.0187, 0.3331,  
0.3455

 97.8279, 0.3163,  
0.3320

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.



54.7470, 0.4587, 0.3576



54.7470, 0.4490, 0.4119



54.7470, 0.4017, 0.4548

# Triad

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



54.7470, 0.4490, 0.4119



54.7470, 0.2110, 0.3433



54.7470, 0.2775, 0.2263

# Complementary

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



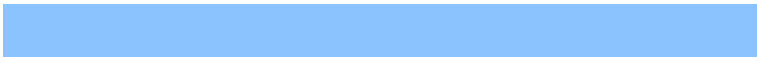
54.7470, 0.4490, 0.4119



38.8348, 0.2122, 0.2201

# 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.



54.7470, 0.2205, 0.2160



54.7470, 0.4490, 0.4119



54.7470, 0.1859, 0.2728

# Square

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



54.7470, 0.4490, 0.4119



54.7470, 0.2639, 0.4206



54.7470, 0.1895, 0.2301



54.7470, 0.3522, 0.2574



# Rectangle

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



54.7470, 0.4490, 0.4119



54.7470, 0.3576, 0.4662



54.7470, 0.1895, 0.2301



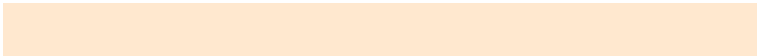
54.7470, 0.2559, 0.2204

# Sweetspot

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



54.7460, 0.4490, 0.4119



83.5379, 0.3455, 0.3548



32.6376, 0.4119, 0.2539



17.3952, 0.3511, 0.3589



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.



54.7460, 0.4490, 0.4119



48.4594, 0.4821, 0.4204



93.1254, 0.3983, 0.4747



19.5756, 0.3281, 0.3416



20.4226, 0.5328, 0.4152

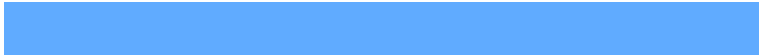


2.2073, 0.5163, 0.4283



# Inverse Universe

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



38.8348, 0.2122, 0.2201



31.4019, 0.1955, 0.1937



18.2194, 0.1922, 0.1281



18.7909, 0.2979, 0.3161



11.1216, 0.1745, 0.1481



1.2995, 0.1804, 0.1693



# Previews

## White Background



This preview shows how the Yxy color 54.7470, 0.4490, 0.4119 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 54.7470, 0.4490, 0.4119 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 54.7470, 0.4490, 0.4119**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.7470, 0.4490, 0.4119.



This preview shows how white text looks on a background with the Yxy color 54.7470, 0.4490, 0.4119.

# 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

54.7470, 0.4490, 0.4119

### Protanopia

55.0184, 0.4010, 0.4377

### Deuteranopia

54.6267, 0.4341, 0.4245



## Tritanopia

54.6078, 0.3771, 0.3176

# Trichromacy



## Original Color

54.7470, 0.4490, 0.4119

## Protanomaly

54.5508, 0.4184, 0.4283

## Deuteranomaly

54.7000, 0.4391, 0.4199

## Tritanomaly

54.5777, 0.4055, 0.3545

# Monochromacy



## Original Color

54.7470, 0.4490, 0.4119

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

53.0340, 0.3611, 0.3649

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.7470, 0.4490, 0.4119 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 96) }
```

## Border

The CSS property to change the border of an element to Yxy 54.7470, 0.4490, 0.4119 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, 96) }
```

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

```
.border{ border-color:rgb(255, 180, 96) }
```

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, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
96) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.7470, 0.4490, 0.4119 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, 96) }
```

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

```
.background{ background-color: rgb(255,  
180, 96) }
```

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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