

# Converting Colors

Yxy(58.8676, 0.4409, 0.4202)

Have a look what the booklet for  
Yxy(58.8676, 0.4409, 0.4202)  
contains.

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# **Color**

**Yxy(58.9500, 0.4409, 0.4205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBE61
RGB	255, 190, 97
RGB Percent	100%, 75%, 38%
CMY	0.0000, 0.2549, 0.6196
CMYK	0.00, 0.25, 0.62, 0.00
HSL	35°, 100%, 69%
HSV	35°, 62%, 100%
XYZ	61.8099, 58.9500, 19.4304
YIQ	198.8330, 68.5930, -15.1430

# Conversions

## Conversions Part 2

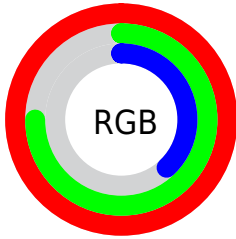
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	207, 255, 97
Decimal	16760417
CIE <sub>Lab</sub>	81.26, 13.95, 55.10
CIE <sub>LCh</sub>	81, 56.835, 75.796
Yxy	58.9500, 0.4409, 0.4205
Android (android.graphics.Color)	4294950497 (0xFFFFBE61)
<b>YUV</b>	198.8330, -50.2037, 49.2585
Hunter-Lab	76.7789, 9.3361, 38.7408

# Details

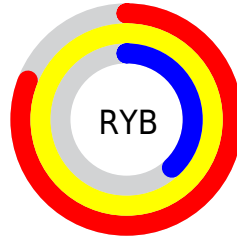
The Yxy color **58.9500, 0.4409, 0.4205** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.5983, 0.2098, 0.2081**, and the grayscale version is **57.2890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3735, 0.3778, 0.4236**, and **29.6829, 0.4685, 0.4356** is the 20% darker color. If you saturate the color by 10%, you get **54.1696, 0.4645, 0.4292**, and if you desaturate by 10%, it is **64.2160, 0.4168, 0.4083**.

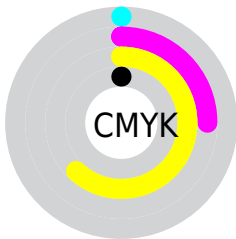
# Distribution



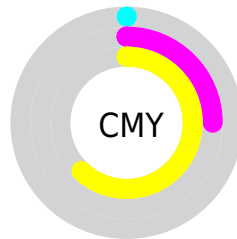
- Red (100%)
- Green (75%)
- Blue (38%)



- Red (81%)
- Yellow (100%)
- Blue (38%)



- Cyan (0%)
- Magenta (25%)
- Yellow (62%)
- Black (0%)




- Cyan (0%)
- Magenta (25%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9500, 0.4409, 0.4205 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 58.9500, 0.4409, 0.4205 by changing the saturation by 10% instead.





 58.9500, 0.4409,  
0.4205


 58.9500, 0.4409,  
0.4205


420.7166, 0.3817,  
0.3814

 42.5729, 0.4536,  
0.4278


 103.3050, 0.4209,  
0.4081


 29.5501, 0.4685,  
0.4358


 132.0516, 0.4129,  
0.4029

 19.4974, 0.4860,  
0.4441


 165.6903, 0.4059,  
0.3983

 12.0302, 0.5061,  
0.4515

 204.6052, 0.3999,  
0.3941

 6.7643, 0.5369,  
0.4631

249.1810, 0.3945,  
0.3904

 3.3151, 0.5496,  
0.4504

299.8018, 0.3897,

 1.2984, 0.5709,

0.3871

0.4291

356.8522, 0.3855,  
0.3841

0.1399, 0.7719,  
0.2281

0.0000, 0.0000,  
0.0000

58.9500, 0.4409,  
0.4205

58.9500, 0.4409,  
0.4205

54.1696, 0.4645,  
0.4292

64.2160, 0.4168,  
0.4083

49.8440, 0.4862,  
0.4333

69.9788, 0.3932,  
0.3938

45.9507, 0.5048,  
0.4320

76.2596, 0.3710,  
0.3782

43.1063, 0.5173,  
0.4275

83.0752, 0.3506,  
0.3623

90.4417, 0.3322,  
0.3467

98.3742, 0.3157,  
0.3318

99.9990, 0.3127,  
0.3290

# Harmonies

## Analogous

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



58.9500, 0.4584, 0.3678



58.9500, 0.4409, 0.4205



58.9500, 0.3891, 0.4582

# Triad

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



58.9500, 0.4409, 0.4205



58.9500, 0.2053, 0.3285



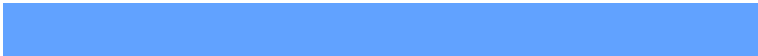
58.9500, 0.2911, 0.2319

# Complementary

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



58.9500, 0.4409, 0.4205



35.5983, 0.2098, 0.2081

# 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.



58.9500, 0.2304, 0.2174



58.9500, 0.4409, 0.4205



58.9500, 0.1859, 0.2634

# Square

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



58.9500, 0.4409, 0.4205



58.9500, 0.2530, 0.4062



58.9500, 0.1946, 0.2267



58.9500, 0.3661, 0.2659



# Rectangle

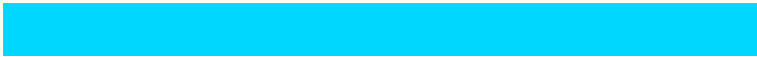
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.9500, 0.4409, 0.4205



58.9500, 0.3439, 0.4636



58.9500, 0.1946, 0.2267



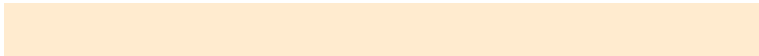
58.9500, 0.2685, 0.2247

# Sweetspot

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



58.9529, 0.4409, 0.4205



85.2005, 0.3449, 0.3576



32.4475, 0.4249, 0.2646



17.7972, 0.3504, 0.3621



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.



58.9529, 0.4409, 0.4205



53.2526, 0.4691, 0.4305



91.2266, 0.3905, 0.4784



19.7645, 0.3279, 0.3430



22.8264, 0.5152, 0.4291

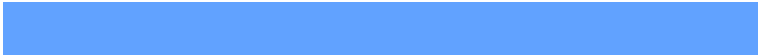


2.4379, 0.5013, 0.4402



# Inverse Universe

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



35.5983, 0.2098, 0.2081



28.3102, 0.1928, 0.1802



19.0957, 0.1989, 0.1320



18.6049, 0.2979, 0.3146



9.3165, 0.1692, 0.1292



1.1160, 0.1754, 0.1514



# Previews

## White Background



This preview shows how the Yxy color 58.9500, 0.4409, 0.4205 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 58.9500, 0.4409, 0.4205 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

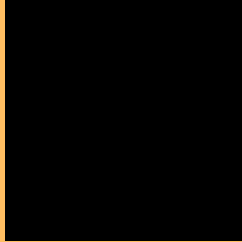
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.9500, 0.4409, 0.4205**

## Background



This preview shows how black text looks on a background with the Yxy color 58.9500, 0.4409, 0.4205.



This preview shows how white text looks on a background with the Yxy color 58.9500, 0.4409, 0.4205.

# 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

58.9500, 0.4409, 0.4205

### Protanopia

58.8686, 0.4034, 0.4406

### Deuteranopia

58.6835, 0.4352, 0.4254



## Tritanopia

59.0220, 0.3655, 0.3177

# Trichromacy



**Original Color**

58.9500, 0.4409, 0.4205

**Protanomaly**

58.9704, 0.4168, 0.4331

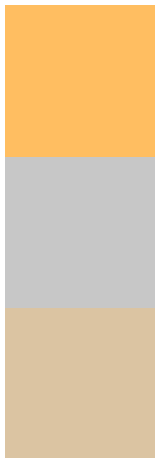
**Deuteranomaly**

58.6154, 0.4375, 0.4237

**Tritanomaly**

58.8810, 0.3951, 0.3576

# Monochromacy



**Original Color**

58.9500, 0.4409, 0.4205

**Achromatopsia**

57.1125, 0.3127, 0.3290

**Achromatomaly**

57.1486, 0.3581, 0.3689

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.9500, 0.4409, 0.4205 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, 190, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 97)  
}
```

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, 190, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 97) }
```

## Border

The CSS property to change the border of an element to Yxy 58.9500, 0.4409, 0.4205 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, 190, 97) }
```

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

```
.border{ border-color:rgb(255, 190, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 190, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
97) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.9500, 0.4409, 0.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 97) }
```

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

```
.background{ background-color: rgb(255,  
190, 97) }
```

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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