

# Converting Colors

$Yxy(59.4346, 0.4386, 0.4195)$

Have a look what the booklet for  
Yxy(59.4346, 0.4386, 0.4195)  
contains.

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# Color

**Yxy(59.4225, 0.4389, 0.4198)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBF63
RGB	255, 191, 99
RGB Percent	100%, 75%, 39%
CMY	0.0000, 0.2510, 0.6117
CMYK	0.00, 0.25, 0.61, 0.00
HSL	35°, 100%, 69%
HSV	35°, 61%, 100%
XYZ	62.1261, 59.4225, 20.0010
YIQ	199.6480, 67.6760, -15.0440

# Conversions

## Conversions Part 2

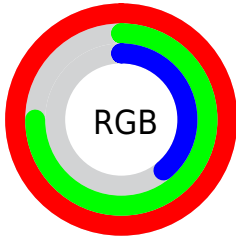
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 255, 99
Decimal	16760675
CIE Lab	81.52, 13.57, 54.45
CIE LCh	82, 56.117, 76.010
Yxy	59.4225, 0.4389, 0.4198
Android (android.graphics.Color)	4294950755 (0xFFFFBF63)
YUV	199.6480, -49.6195, 48.5437
Hunter-Lab	77.0860, 8.9584, 38.5766

# Details

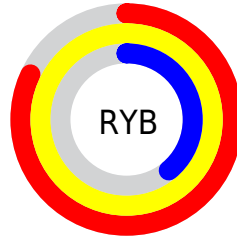
The Yxy color **59.4225, 0.4389, 0.4198** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.0695, 0.2110, 0.2097**, and the grayscale version is **57.8112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0485, 0.3762, 0.4226**, and **29.9843, 0.4662, 0.4353** is the 20% darker color. If you saturate the color by 10%, you get **54.6089, 0.4625, 0.4289**, and if you desaturate by 10%, it is **64.7180, 0.4148, 0.4073**.

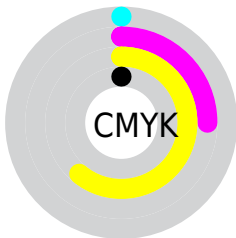
# Distribution



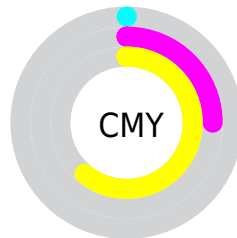
- Red (100%)
- Green (75%)
- Blue (39%)



- Red (82%)
- Yellow (100%)
- Blue (39%)



- Cyan (0%)
- Magenta (25%)
- Yellow (61%)
- Black (0%)



- Cyan (0%)
- Magenta (25%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.4225, 0.4389, 0.4198 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 59.4225, 0.4389, 0.4198 by changing the saturation by 10% instead.





 59.4225, 0.4389,  
0.4198


 59.4225, 0.4389,  
0.4198

422.4658, 0.3806,  
0.3809


 42.9533, 0.4514,  
0.4272


 103.9915, 0.4192,  
0.4074

 29.8485, 0.4661,  
0.4352


 132.8601, 0.4113,  
0.4022

 19.7236, 0.4835,  
0.4437


 166.6306, 0.4045,  
0.3976

 12.1943, 0.5035,  
0.4515

 205.6874, 0.3985,  
0.3935

 6.8761, 0.5353,  
0.4647

250.4150, 0.3932,  
0.3899

 3.3848, 0.5476,  
0.4524

301.1976, 0.3885,

 1.3358, 0.5681,

0.3866

0.4319

358.4198, 0.3843,  
0.3836

0.1686, 0.7445,  
0.2555

0.0000, 0.0000,  
0.0000

59.4225, 0.4389,  
0.4198

59.4225, 0.4389,  
0.4198

54.6089, 0.4625,  
0.4289

64.7180, 0.4148,  
0.4073

50.2524, 0.4844,  
0.4334

70.5120, 0.3914,  
0.3927

46.3289, 0.5032,  
0.4325

76.8236, 0.3693,  
0.3770

43.1950, 0.5170,  
0.4277

83.6697, 0.3491,  
0.3611

91.0662, 0.3308,  
0.3455

99.0280, 0.3145,  
0.3307

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.



59.4225, 0.4563, 0.3679



59.4225, 0.4389, 0.4198



59.4225, 0.3877, 0.4565

# Triad

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



59.4225, 0.4389, 0.4198



59.4225, 0.2066, 0.3281



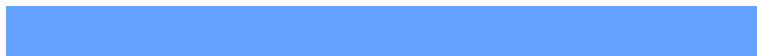
59.4225, 0.2920, 0.2333

# Complementary

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



59.4225, 0.4389, 0.4198



36.0695, 0.2110, 0.2097

# 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.



59.4225, 0.2319, 0.2189



59.4225, 0.4389, 0.4198



59.4225, 0.1875, 0.2641

# Square

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



59.4225, 0.4389, 0.4198



59.4225, 0.2535, 0.4044



59.4225, 0.1963, 0.2279



59.4225, 0.3659, 0.2671



# Rectangle

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



59.4225, 0.4389, 0.4198



59.4225, 0.3432, 0.4614



59.4225, 0.1963, 0.2279



59.4225, 0.2696, 0.2261

# Sweetspot

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



59.4235, 0.4389, 0.4198



85.9566, 0.3431, 0.3561



32.8657, 0.4227, 0.2651



17.9490, 0.3486, 0.3607



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.



59.4235, 0.4389, 0.4198



53.7796, 0.4667, 0.4301



91.2984, 0.3899, 0.4769



19.7678, 0.3279, 0.3430



22.8716, 0.5149, 0.4293

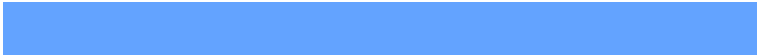


2.4421, 0.5010, 0.4404



# Inverse Universe

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



36.0695, 0.2110, 0.2097



28.7980, 0.1940, 0.1823



19.5904, 0.2005, 0.1345



18.6016, 0.2979, 0.3146



9.2874, 0.1691, 0.1289



1.1130, 0.1753, 0.1511



# Previews

## White Background



This preview shows how the Yxy color 59.4225, 0.4389, 0.4198 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 59.4225, 0.4389, 0.4198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

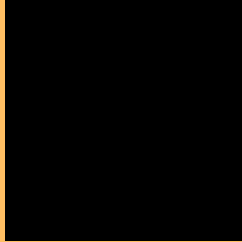
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.4225, 0.4389, 0.4198**

## Background



This preview shows how black text looks on a background with the Yxy color 59.4225, 0.4389, 0.4198.



This preview shows how white text looks on a background with the Yxy color 59.4225, 0.4389, 0.4198.

# 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

59.4225, 0.4389, 0.4198

### Protanopia

59.5384, 0.4024, 0.4393

### Deuteranopia

59.3458, 0.4340, 0.4243



## Tritanopia

59.4811, 0.3644, 0.3177

# Trichromacy



## Original Color

59.4225, 0.4389, 0.4198

## Protanomaly

59.4683, 0.4149, 0.4322

## Deuteranomaly

59.2766, 0.4364, 0.4227

## Tritanomaly

59.3387, 0.3938, 0.3575

# Monochromacy



## Original Color

59.4225, 0.4389, 0.4198

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

57.7925, 0.3579, 0.3687

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.4225, 0.4389, 0.4198 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, 191, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 99)  
}
```

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, 191, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 59.4225, 0.4389, 0.4198 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, 191, 99) }
```

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

```
.border{ border-color:rgb(255, 191, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.4225, 0.4389, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 99) }
```

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

```
.background{ background-color: rgb(255,  
191, 99) }
```

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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