

# Converting Colors

Yxy(58.8360, 0.4335, 0.4099)

Have a look what the booklet for  
Yxy(58.8360, 0.4335, 0.4099)  
contains.

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# Color

**Yxy(58.7593, 0.4335, 0.4095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBD6D
RGB	255, 189, 109
RGB Percent	100%, 74%, 43%
CMY	0.0000, 0.2588, 0.5726
CMYK	0.00, 0.26, 0.57, 0.00
HSL	33°, 100%, 71%
HSV	33°, 57%, 100%
XYZ	62.2031, 58.7593, 22.5280
YIQ	199.6140, 65.0160, -10.8880

# Conversions

## Conversions Part 2

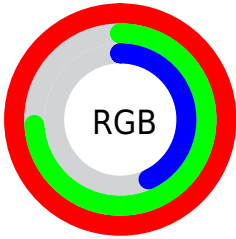
Format	Color
R <sub>YB</sub>	229, 255, 109
Decimal	16760173
CIE Lab	81.16, 15.32, 49.22
CIE LCh	81, 51.552, 72.717
Yxy	58.7593, 0.4335, 0.4095
Android (android.graphics.Color)	4294950253 (0xFFFFBD6D)
YUV	199.6140, -44.6727, 48.5735
Hunter-Lab	76.6546, 10.7022, 36.2335

# Details

The Yxy color **58.7593, 0.4335, 0.4095** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **41.1277, 0.2189, 0.2269**, and the grayscale version is **57.7567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1735, 0.3710, 0.4114**, and **29.5159, 0.4608, 0.4241** is the 20% darker color. If you saturate the color by 10%, you get **53.5229, 0.4592, 0.4192**, and if you desaturate by 10%, it is **64.5472, 0.4081, 0.3970**.

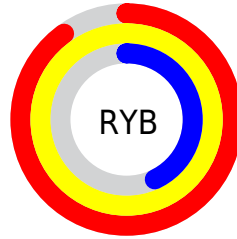
# Distribution



Red (100%)

Green (74%)

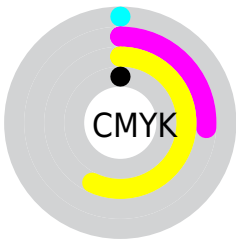
Blue (43%)



Red (90%)

Yellow (100%)

Blue (43%)

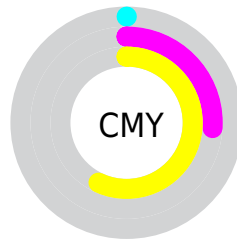


Cyan (0%)

Magenta (26%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (26%)


Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7593, 0.4335, 0.4095 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 58.7593, 0.4335, 0.4095 by changing the saturation by 10% instead.




 58.7593, 0.4335,  
0.4095


 58.7593, 0.4335,  
0.4095


420.0093, 0.3769,  
0.3748


 42.4194, 0.4460,  
0.4162


 103.0278, 0.4141,  
0.3983


 29.4298, 0.4610,  
0.4237


 131.7251, 0.4064,  
0.3937

 19.4062, 0.4790,  
0.4317


 165.3103, 0.3998,  
0.3896

 11.9642, 0.5005,  
0.4395

 204.1679, 0.3940,  
0.3859

 6.7193, 0.5303,  
0.4487

248.6822, 0.3890,  
0.3827

 3.2872, 0.5556,  
0.4444

299.2376, 0.3845,

 1.2834, 0.5788,

0.3798

0.4212

356.2185, 0.3805,  
0.3771

0.1283, 0.7944,  
0.2056

0.0000, 0.0000,  
0.0000

58.7593, 0.4335,  
0.4095

58.7593, 0.4335,  
0.4095

53.5229, 0.4592,  
0.4192

64.5472, 0.4081,  
0.3970

48.8176, 0.4840,  
0.4247

70.9108, 0.3840,  
0.3828

44.6161, 0.5062,  
0.4251

77.8689, 0.3619,  
0.3680

40.8873, 0.5246,  
0.4199

85.4402, 0.3420,  
0.3532

39.9374, 0.5293,  
0.4179

93.6421, 0.3243,  
0.3389

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.



58.7593, 0.4446, 0.3608



58.7593, 0.4335, 0.4095



58.7593, 0.3893, 0.4448

# Triad

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



58.7593, 0.4335, 0.4095



58.7593, 0.2178, 0.3364



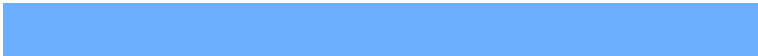
58.7593, 0.2868, 0.2372

# Complementary

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



58.7593, 0.4335, 0.4095



41.1277, 0.2189, 0.2269

# 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.



58.7593, 0.2328, 0.2261



58.7593, 0.4335, 0.4095



58.7593, 0.1966, 0.2749

# Square

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



58.7593, 0.4335, 0.4095



58.7593, 0.2645, 0.4049



58.7593, 0.2020, 0.2376



58.7593, 0.3545, 0.2672



# Rectangle

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



58.7593, 0.4335, 0.4095



58.7593, 0.3488, 0.4512



58.7593, 0.2020, 0.2376



58.7593, 0.2666, 0.2312

# Sweetspot

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



58.7584, 0.4335, 0.4095



85.6442, 0.3415, 0.3528



35.3748, 0.4029, 0.2608



17.9944, 0.3453, 0.3557



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.



58.7584, 0.4335, 0.4095



52.6660, 0.4637, 0.4205



92.9725, 0.3914, 0.4666



19.6370, 0.3280, 0.3420



21.1708, 0.5270, 0.4198

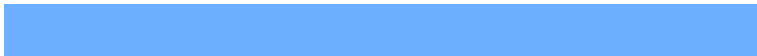


2.2797, 0.5113, 0.4322



# Inverse Universe

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



41.1277, 0.2189, 0.2269



33.5386, 0.2019, 0.2015



21.7232, 0.2038, 0.1454



18.7301, 0.2979, 0.3156



10.5007, 0.1727, 0.1417



1.2371, 0.1787, 0.1634



# Previews

## White Background



This preview shows how the Yxy color 58.7593, 0.4335, 0.4095 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

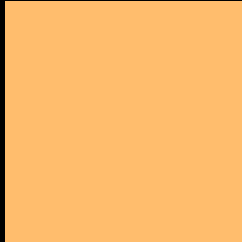
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.7593, 0.4335, 0.4095 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 58.7593, 0.4335, 0.4095**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.7593, 0.4335, 0.4095.



This preview shows how white text looks on a background with the Yxy color 58.7593, 0.4335, 0.4095.

# 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

58.7593, 0.4335, 0.4095

### Protanopia

58.9856, 0.3942, 0.4283

### Deuteranopia

58.5561, 0.4255, 0.4159



## Tritanopia

58.6109, 0.3658, 0.3166

# Trichromacy



**Original Color**

58.7593, 0.4335, 0.4095

**Protanomaly**

58.5948, 0.4086, 0.4214

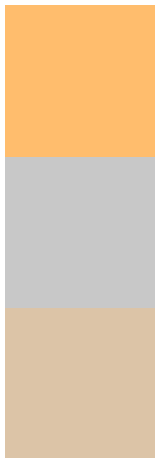
**Deuteranomaly**

58.6683, 0.4287, 0.4139

**Tritanomaly**

58.6023, 0.3920, 0.3523

# Monochromacy



**Original Color**

58.7593, 0.4335, 0.4095

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

57.4855, 0.3550, 0.3629

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.7593, 0.4335, 0.4095 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, 189, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 109)  
}
```

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, 189, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 58.7593, 0.4335, 0.4095 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, 189, 109) }
```

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

```
.border{ border-color:rgb(255, 189, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.7593, 0.4335, 0.4095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 109) }
```

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

```
.background{ background-color: rgb(255,  
189, 109) }
```

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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