

# Converting Colors

$Yxy(91.2062, 0.5150, 0.3729)$

Have a look what the booklet for  
Yxy(91.2062, 0.5150, 0.3729)  
contains.

<b>Yxy(58.4874, 0.4290, 0.4023)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(58.4874, 0.4290, 0.4023)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFBC74
RGB	255, 188, 116
RGB Percent	100%, 74%, 45%
CMY	0.0001, 0.2627, 0.5451
CMYK	0.00, 0.26, 0.55, 0.00
HSL	31°, 100%, 73%
HSV	31°, 55%, 100%
XYZ	62.3691, 58.4874, 24.5260
YIQ	199.8250, 63.0440, -8.1880

# Conversions

## Conversions Part 2

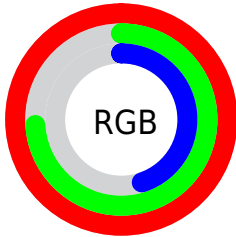
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 255, 116
Decimal	16759924
CIE Lab	81.01, 16.35, 45.57
CIE LCh	81, 48.412, 70.264
Yxy	58.4874, 0.4290, 0.4023
Android (android.graphics.Color)	4294950004 (0xFFFFBC74)
YUV	199.8250, -41.3257, 48.3885
Hunter-Lab	76.4771, 11.7367, 34.5198

# Details

The Yxy color **58.4874, 0.4290, 0.4023** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.7836, 0.2244, 0.2383**, and the grayscale version is **57.8769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8259, 0.3670, 0.4037**, and **29.3117, 0.4563, 0.4164** is the 20% darker color. If you saturate the color by 10%, you get **52.9480, 0.4560, 0.4122**, and if you desaturate by 10%, it is **64.6422, 0.4029, 0.3899**.

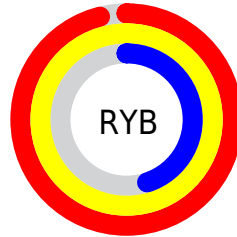
# Distribution



Red (100%)

Green (74%)

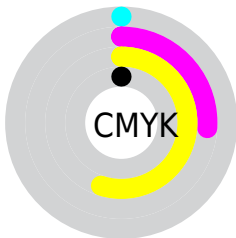
Blue (45%)



Red (96%)

Yellow (100%)

Blue (45%)

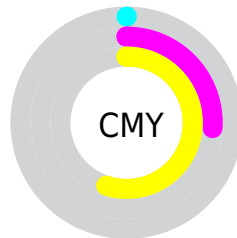


Cyan (0%)

Magenta (26%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (26%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4874, 0.4290, 0.4023 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 58.4874, 0.4290, 0.4023 by changing the saturation by 10% instead.




 58.4874, 0.4290,  
0.4023

 58.4874, 0.4290,  
0.4023


418.9996, 0.3740,  
0.3705


 42.2006, 0.4413,  
0.4085

 102.6323, 0.4100,  
0.3920

 29.2584, 0.4562,  
0.4156


 131.2592, 0.4026,  
0.3878

 19.2764, 0.4745,  
0.4232

 164.7682, 0.3962,  
0.3840

 11.8702, 0.4968,  
0.4308

203.5438, 0.3906,  
0.3807

 6.6553, 0.5256,  
0.4381

247.9704, 0.3857,  
0.3777

 3.2475, 0.5602,  
0.4398

298.4323, 0.3813,

 1.2623, 0.5850,

0.3751

0.4150

355.3139, 0.3775,  
0.3727

0.1117, 0.8189,  
0.1811

0.0000, 0.0000,  
0.0000

58.4874, 0.4290,  
0.4023

58.4874, 0.4290,  
0.4023

52.9480, 0.4560,  
0.4122

64.6422, 0.4029,  
0.3899

47.9906, 0.4827,  
0.4184

71.4266, 0.3786,  
0.3762

43.5906, 0.5073,  
0.4196

78.8648, 0.3566,  
0.3620

39.7167, 0.5282,  
0.4152

86.9768, 0.3370,  
0.3481

37.7915, 0.5382,  
0.4109

95.7817, 0.3198,  
0.3348

99.9953, 0.3127,  
0.3290

# Harmonies

## Analogous

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



58.4874, 0.4360, 0.3558



58.4874, 0.4290, 0.4023



58.4874, 0.3897, 0.4365

# Triad

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



58.4874, 0.4290, 0.4023



58.4874, 0.2259, 0.3416



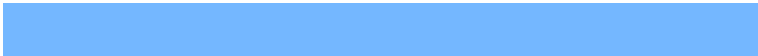
58.4874, 0.2836, 0.2403

# Complementary

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



58.4874, 0.4290, 0.4023



44.7836, 0.2244, 0.2383

# 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.



58.4874, 0.2339, 0.2315



58.4874, 0.4290, 0.4023



58.4874, 0.2033, 0.2824

# Square

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



58.4874, 0.4290, 0.4023



58.4874, 0.2720, 0.4045



58.4874, 0.2064, 0.2447



58.4874, 0.3469, 0.2676



# Rectangle

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



58.4874, 0.4290, 0.4023



58.4874, 0.3523, 0.4439



58.4874, 0.2064, 0.2447



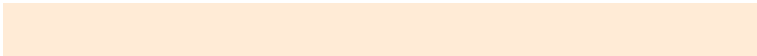
58.4874, 0.2649, 0.2351

# Sweetspot

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



58.4903, 0.4290, 0.4023



85.7379, 0.3398, 0.3501



37.1735, 0.3937, 0.2612



17.9865, 0.3437, 0.3530



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.



58.4903, 0.4290, 0.4023



52.6996, 0.4574, 0.4127



93.5839, 0.3900, 0.4604



19.5442, 0.3281, 0.3413



20.0520, 0.5357, 0.4128

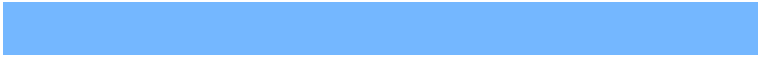


2.1712, 0.5188, 0.4262



# Inverse Universe

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



44.7836, 0.2244, 0.2383



37.7735, 0.2090, 0.2169



23.5846, 0.2081, 0.1543



18.8221, 0.2979, 0.3164



11.4524, 0.1754, 0.1513



1.3325, 0.1812, 0.1724



# Previews

## White Background



This preview shows how the Yxy color 58.4874, 0.4290, 0.4023 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

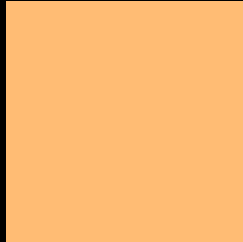
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.4874, 0.4290, 0.4023 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

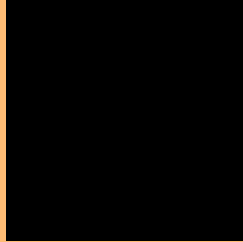
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.4874, 0.4290, 0.4023**

## Background



This preview shows how black text looks on a background with the Yxy color 58.4874, 0.4290, 0.4023.



This preview shows how white text looks on a background with the Yxy color 58.4874, 0.4290, 0.4023.

# 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

58.4874, 0.4290, 0.4023

### Protanopia

58.8372, 0.3877, 0.4217

### Deuteranopia

58.5299, 0.4197, 0.4098



## Tritanopia

58.5662, 0.3667, 0.3177

# Trichromacy



**Original Color**

58.4874, 0.4290, 0.4023

**Protanomaly**

58.5881, 0.4028, 0.4148

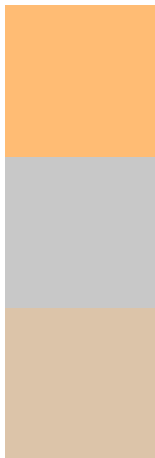
**Deuteranomaly**

58.6391, 0.4229, 0.4079

**Tritanomaly**

58.2576, 0.3906, 0.3492

# Monochromacy



**Original Color**

58.4874, 0.4290, 0.4023

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

57.5601, 0.3534, 0.3605

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.4874, 0.4290, 0.4023 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, 188, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 116)  
}
```

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, 188, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 58.4874, 0.4290, 0.4023 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, 188, 116) }
```

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

```
.border{ border-color:rgb(255, 188, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 188, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
116) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.4874, 0.4290, 0.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 116) }
```

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

```
.background{ background-color: rgb(255,  
188, 116) }
```

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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