

# Converting Colors

$Yxy(77.9429, 0.4890, 0.3806)$

Have a look what the booklet for  
Yxy(77.9429, 0.4890, 0.3806)  
contains.

<b>Yxy(58.5108, 0.4283, 0.4014)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(58.5108, 0.4283, 0.4014)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBC75
RGB	255, 188, 117
RGB Percent	100%, 74%, 46%
CMY	0.0000, 0.2627, 0.5413
CMYK	0.00, 0.26, 0.54, 0.00
HSL	31°, 100%, 73%
HSV	31°, 54%, 100%
XYZ	62.4319, 58.5108, 24.8241
YIQ	199.9390, 62.7230, -7.8770

# Conversions

## Conversions Part 2

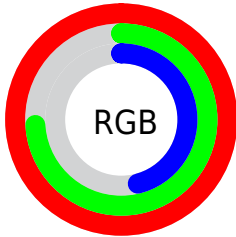
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 255, 117
Decimal	16759925
CIE <sub>Lab</sub>	81.02, 16.44, 45.10
CIE <sub>LCh</sub>	81, 48.001, 69.973
Yxy	58.5108, 0.4283, 0.4014
Android (android.graphics.Color)	4294950005 (0xFFFFBC75)
YUV	199.9390, -40.8889, 48.2885
Hunter-Lab	76.4924, 11.8274, 34.3032

# Details

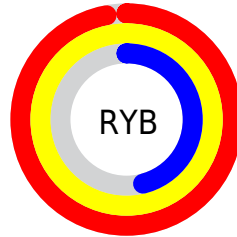
The Yxy color **58.5108, 0.4283, 0.4014** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.2644, 0.2251, 0.2396**, and the grayscale version is **57.9472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8636, 0.3664, 0.4028**, and **29.3234, 0.4555, 0.4154** is the 20% darker color. If you saturate the color by 10%, you get **52.9302, 0.4555, 0.4114**, and if you desaturate by 10%, it is **64.7139, 0.4021, 0.3890**.

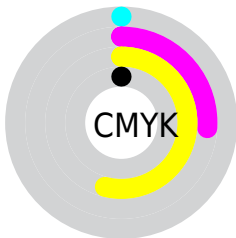
# Distribution



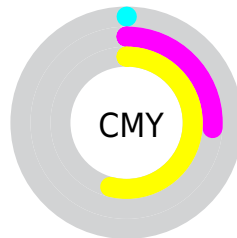
- Red (100%)
- Green (74%)
- Blue (46%)



- Red (97%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (26%)
- Yellow (54%)
- Black (0%)




- Cyan (0%)
- Magenta (26%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.5108, 0.4283, 0.4014 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 58.5108, 0.4283, 0.4014 by changing the saturation by 10% instead.




 58.5108, 0.4283,  
0.4014

 58.5108, 0.4283,  
0.4014


419.0866, 0.3736,  
0.3700


 42.2194, 0.4406,  
0.4076

 102.6663, 0.4094,  
0.3912

 29.2732, 0.4555,  
0.4145


 131.2993, 0.4020,  
0.3870

 19.2876, 0.4737,  
0.4221


 164.8149, 0.3956,  
0.3833

 11.8782, 0.4960,  
0.4298

203.5976, 0.3901,  
0.3800

 6.6608, 0.5247,  
0.4369

248.0317, 0.3852,  
0.3771

 3.2509, 0.5605,  
0.4395

298.5016, 0.3809,

 1.2641, 0.5855,

0.3745

0.4145

355.3918, 0.3771,  
0.3721

0.1131, 0.8181,  
0.1819

0.0000, 0.0000,  
0.0000

58.5108, 0.4283,  
0.4014

58.5108, 0.4283,  
0.4014

52.9302, 0.4555,  
0.4114

64.7139, 0.4021,  
0.3890

47.9385, 0.4823,  
0.4176

71.5540, 0.3779,  
0.3753

43.5112, 0.5072,  
0.4189

79.0553, 0.3559,  
0.3613

39.6164, 0.5284,  
0.4147

87.2381, 0.3364,  
0.3475

■ 37.5561, 0.5392,  
0.4100

■ 96.1217, 0.3192,  
0.3342

99.9993, 0.3127,  
0.3290

# Harmonies

## Analogous

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



58.5108, 0.4348, 0.3553



58.5108, 0.4283, 0.4014



58.5108, 0.3896, 0.4354

# Triad

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



58.5108, 0.4283, 0.4014



58.5108, 0.2269, 0.3422



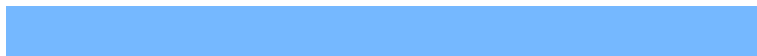
58.5108, 0.2833, 0.2408

# Complementary

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



58.5108, 0.4283, 0.4014



45.2644, 0.2251, 0.2396

# 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.



58.5108, 0.2342, 0.2322



58.5108, 0.4283, 0.4014



58.5108, 0.2043, 0.2833

# Square

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



58.5108, 0.4283, 0.4014



58.5108, 0.2729, 0.4043



58.5108, 0.2070, 0.2456



58.5108, 0.3460, 0.2678



# Rectangle

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



58.5108, 0.4283, 0.4014



58.5108, 0.3526, 0.4428



58.5108, 0.2070, 0.2456



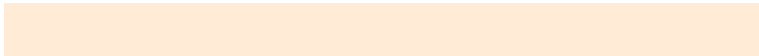
58.5108, 0.2648, 0.2357

# Sweetspot

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



58.5137, 0.4283, 0.4014



85.6556, 0.3398, 0.3500



37.5203, 0.3902, 0.2593



17.9669, 0.3438, 0.3528



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.



58.5137, 0.4283, 0.4014



52.4730, 0.4578, 0.4121



94.0608, 0.3912, 0.4588



19.5333, 0.3281, 0.3412



19.9249, 0.5367, 0.4120



2.1588, 0.5197, 0.4255



# Inverse Universe

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



45.2644, 0.2251, 0.2396



37.9910, 0.2092, 0.2177



23.7163, 0.2075, 0.1550



18.8330, 0.2979, 0.3164



11.5697, 0.1757, 0.1525



1.3442, 0.1815, 0.1735



# Previews

## White Background



This preview shows how the Yxy color 58.5108, 0.4283, 0.4014 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 58.5108, 0.4283, 0.4014 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 58.5108, 0.4283, 0.4014**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.5108, 0.4283, 0.4014.



This preview shows how white text looks on a background with the Yxy color 58.5108, 0.4283, 0.4014.

# 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

58.5108, 0.4283, 0.4014

### Protanopia

58.8618, 0.3870, 0.4207

### Deuteranopia

58.3727, 0.4181, 0.4091



## Tritanopia

58.6109, 0.3658, 0.3166

# Trichromacy



**Original Color**

58.5108, 0.4283, 0.4014

**Protanomaly**

58.6122, 0.4021, 0.4138

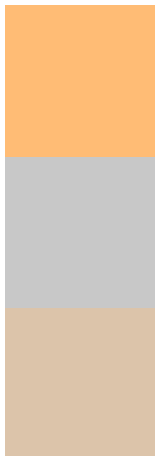
**Deuteranomaly**

58.6623, 0.4221, 0.4069

**Tritanomaly**

58.2942, 0.3898, 0.3481

# Monochromacy



**Original Color**

58.5108, 0.4283, 0.4014

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

57.5978, 0.3526, 0.3594

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.5108, 0.4283, 0.4014 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 58.5108, 0.4283, 0.4014 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, 117) }
```

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

```
.border{ border-color:rgb(255, 188, 117) }
```

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, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.5108, 0.4283, 0.4014 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, 117) }
```

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

```
.background{ background-color: rgb(255,  
188, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor