

# Converting Colors

$Y_{xy}(59.7371, 0.4210, 0.3965)$

Have a look what the booklet for  
Yxy(59.7371, 0.4210, 0.3965)  
contains.

<b>Yxy(59.5676, 0.4210, 0.3958)</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(59.5676, 0.4210, 0.3958)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBE7D
RGB	255, 190, 125
RGB Percent	100%, 75%, 49%
CMY	0.0000, 0.2549, 0.5097
CMYK	0.00, 0.25, 0.51, 0.00
HSL	30°, 100%, 75%
HSV	30°, 51%, 100%
XYZ	63.3602, 59.5676, 27.5715
YIQ	202.0250, 59.6050, -6.4350

# Conversions

## Conversions Part 2

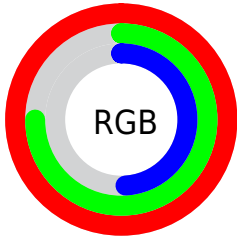
Format	Color
R <sub>Y</sub> B	255, 255, 125
Decimal	16760445
CIE Lab	81.60, 16.08, 41.75
CIE LCh	82, 44.739, 68.937
Yxy	59.5676, 0.4210, 0.3958
Android (android.graphics.Color)	4294950525 (0xFFFFBE7D)
YUV	202.0250, -37.9733, 46.4591
Hunter-Lab	77.1800, 11.4727, 32.8455

# Details

The Yxy color **59.5676, 0.4210, 0.3958** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.4251, 0.2305, 0.2484**, and the grayscale version is **59.2942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4262, 0.3603, 0.3957**, and **29.9878, 0.4464, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **53.7126, 0.4485, 0.4064**, and if you desaturate by 10%, it is **66.0746, 0.3949, 0.3832**.

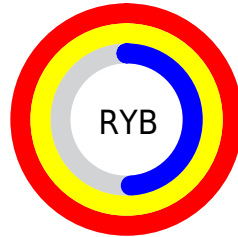
# Distribution



Red (100%)

Green (75%)

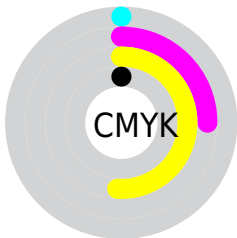
Blue (49%)



Red (100%)

Yellow (100%)

Blue (49%)

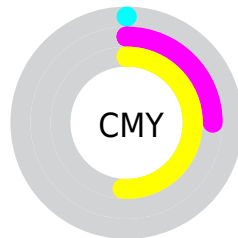


Cyan (0%)

Magenta (25%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (25%)

Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.5676, 0.4210, 0.3958 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 59.5676, 0.4210, 0.3958 by changing the saturation by 10% instead.





 59.5676, 0.4210,  
0.3958


 59.5676, 0.4210,  
0.3958


423.0021, 0.3697,  
0.3666


 43.0702, 0.4326,  
0.4017


 104.2022, 0.4032,  
0.3862

 29.9402, 0.4468,  
0.4084


 133.1081, 0.3962,  
0.3823

 19.7932, 0.4644,  
0.4159


 166.9190, 0.3902,  
0.3789

 12.2448, 0.4863,  
0.4238

206.0193, 0.3850,  
0.3759

 6.9106, 0.5136,  
0.4309

250.7934, 0.3805,  
0.3732

 3.4063, 0.5580,  
0.4420

301.6256, 0.3765,

 1.3473, 0.5816,

0.3708

0.4184

358.9004, 0.3729,  
0.3686

0.1774, 0.7598,  
0.2402

0.0000, 0.0000,  
0.0000

59.5676, 0.4210,  
0.3958

59.5676, 0.4210,  
0.3958

53.7126, 0.4485,  
0.4064

66.0746, 0.3949,  
0.3832

48.4824, 0.4764,  
0.4136

73.2553, 0.3710,  
0.3697

43.8496, 0.5028,  
0.4162

81.1324, 0.3496,  
0.3561

39.7829, 0.5261,  
0.4134

89.7268, 0.3307,  
0.3428

■ 36.5589, 0.5436,  
0.4065

99.0583, 0.3142,  
0.3302

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.



59.5676, 0.4254, 0.3527



59.5676, 0.4210, 0.3958



59.5676, 0.3863, 0.4272

# Triad

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



59.5676, 0.4210, 0.3958



59.5676, 0.2341, 0.3436



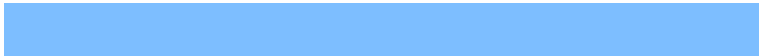
59.5676, 0.2837, 0.2458

# Complementary

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



59.5676, 0.4210, 0.3958



48.4251, 0.2305, 0.2484

# 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.



59.5676, 0.2383, 0.2387



59.5676, 0.4210, 0.3958



59.5676, 0.2117, 0.2886

# Square

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



59.5676, 0.4210, 0.3958



59.5676, 0.2778, 0.4000



59.5676, 0.2134, 0.2524



59.5676, 0.3417, 0.2707



# Rectangle

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



59.5676, 0.4210, 0.3958



59.5676, 0.3522, 0.4342



59.5676, 0.2134, 0.2524



59.5676, 0.2666, 0.2413

# Sweetspot

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



59.5683, 0.4210, 0.3958



86.1726, 0.3381, 0.3481



39.7501, 0.3812, 0.2607



18.0570, 0.3420, 0.3509



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.



59.5683, 0.4210, 0.3958



53.6941, 0.4486, 0.4064



92.8873, 0.3884, 0.4508



19.4873, 0.3282, 0.3409



19.4014, 0.5411, 0.4086



2.1074, 0.5235, 0.4225



# Inverse Universe

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



48.4251, 0.2305, 0.2484



41.4399, 0.2156, 0.2289



26.8135, 0.2147, 0.1687



18.8789, 0.2979, 0.3168



12.0750, 0.1771, 0.1574



1.3941, 0.1828, 0.1780



# Previews

## White Background



This preview shows how the Yxy color 59.5676, 0.4210, 0.3958 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

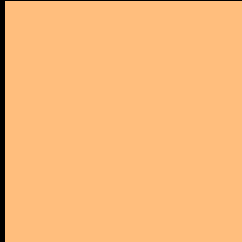
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.5676, 0.4210, 0.3958 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 59.5676, 0.4210, 0.3958**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.5676, 0.4210, 0.3958.



This preview shows how white text looks on a background with the Yxy color 59.5676, 0.4210, 0.3958.

# 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

59.5676, 0.4210, 0.3958

### Protanopia

59.6957, 0.3817, 0.4127

### Deuteranopia

59.6316, 0.4119, 0.4031



## Tritanopia

59.5265, 0.3636, 0.3167

# Trichromacy



**Original Color**

59.5676, 0.4210, 0.3958

**Protanomaly**

59.2703, 0.3957, 0.4066

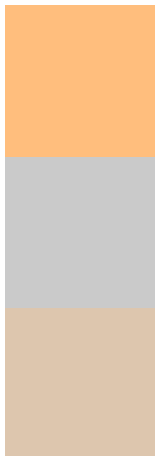
**Deuteranomaly**

59.7349, 0.4150, 0.4013

**Tritanomaly**

59.2801, 0.3855, 0.3460

# Monochromacy



**Original Color**

59.5676, 0.4210, 0.3958

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

58.8163, 0.3498, 0.3568

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.5676, 0.4210, 0.3958 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 59.5676, 0.4210, 0.3958 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, 125) }
```

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

```
.border{ border-color:rgb(255, 190, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.5676, 0.4210, 0.3958 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, 125) }
```

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

```
.background{ background-color: rgb(255,  
190, 125) }
```

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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