

# Converting Colors

$Y_{xy}(59.1774, 0.4200, 0.3929)$

Have a look what the booklet for  
Yxy(59.1774, 0.4200, 0.3929)  
contains.

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# Color

**Yxy(59.1875, 0.4200, 0.3929)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBD7F
RGB	255, 189, 127
RGB Percent	100%, 74%, 50%
CMY	0.0000, 0.2588, 0.5018
CMYK	0.00, 0.26, 0.50, 0.00
HSL	29°, 100%, 75%
HSV	29°, 50%, 100%
XYZ	63.2699, 59.1875, 28.1852
YIQ	201.6660, 59.2380, -5.2900

# Conversions

## Conversions Part 2

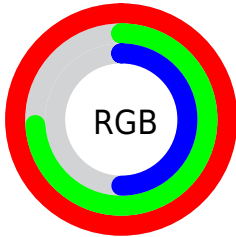
Format	Color
R <sub>Y</sub> B	255, 247, 127
Decimal	16760191
CIE Lab	81.39, 16.77, 40.46
CIE LCh	81, 43.796, 67.488
Yxy	59.1875, 0.4200, 0.3929
Android (android.graphics.Color)	4294950271 (0xFFFFBD7F)
YUV	201.6660, -36.8103, 46.7739
Hunter-Lab	76.9334, 12.1646, 32.1320

# Details

The Yxy color **59.1875, 0.4200, 0.3929** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.8942, 0.2322, 0.2525**, and the grayscale version is **59.0538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9010, 0.3593, 0.3928**, and **29.7322, 0.4455, 0.4062** is the 20% darker color. If you saturate the color by 10%, you get **53.2028, 0.4481, 0.4033**, and if you desaturate by 10%, it is **65.8593, 0.3936, 0.3806**.

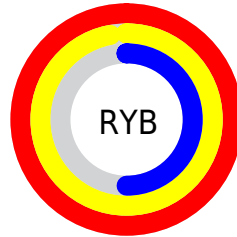
# Distribution



Red (100%)

Green (74%)

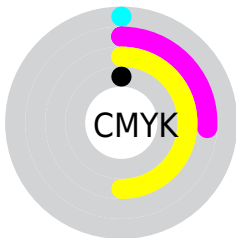
Blue (50%)



Red (100%)

Yellow (97%)

Blue (50%)

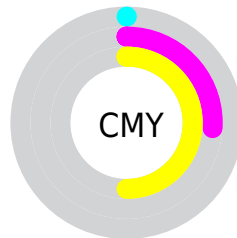


Cyan (0%)

Magenta (26%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (26%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1875, 0.4200, 0.3929 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 59.1875, 0.4200, 0.3929 by changing the saturation by 10% instead.




 59.1875, 0.4200,  
0.3929

 59.1875, 0.4200,  
0.3929


421.5964, 0.3690,  
0.3650


 42.7641, 0.4316,  
0.3985


 103.6501, 0.4022,  
0.3838

 29.7000, 0.4459,  
0.4049


 132.4581, 0.3953,  
0.3800

 19.6110, 0.4636,  
0.4122


 166.1631, 0.3894,  
0.3767

 12.1126, 0.4858,  
0.4198


205.1494, 0.3842,  
0.3738

 6.8204, 0.5137,  
0.4266

249.8015, 0.3797,  
0.3713

 3.3500, 0.5612,  
0.4388

300.5038, 0.3757,

 1.3171, 0.5860,

0.3689

0.4140

357.6406, 0.3721,  
0.3669

0.1544, 0.7827,  
0.2173

0.0000, 0.0000,  
0.0000

59.1875, 0.4200,  
0.3929

59.1875, 0.4200,  
0.3929

53.2028, 0.4481,  
0.4033

65.8593, 0.3936,  
0.3806

47.8702, 0.4767,  
0.4105

73.2342, 0.3696,  
0.3675

43.1634, 0.5041,  
0.4132

81.3384, 0.3482,  
0.3542

39.0501, 0.5285,  
0.4105

90.1936, 0.3294,  
0.3414

■ 35.5434, 0.5483,  
0.4028

99.8208, 0.3130,  
0.3292

99.9992, 0.3127,  
0.3290

# Harmonies

## Analogous

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



59.1875, 0.4226, 0.3503



59.1875, 0.4200, 0.3929



59.1875, 0.3872, 0.4245

# Triad

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



59.1875, 0.4200, 0.3929



59.1875, 0.2371, 0.3462



59.1875, 0.2818, 0.2464

# Complementary

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



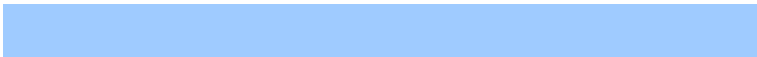
59.1875, 0.4200, 0.3929



49.8942, 0.2322, 0.2525

# 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.



59.1875, 0.2379, 0.2404



59.1875, 0.4200, 0.3929



59.1875, 0.2140, 0.2918

# Square

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



59.1875, 0.4200, 0.3929



59.1875, 0.2810, 0.4007



59.1875, 0.2145, 0.2550



59.1875, 0.3384, 0.2702



# Rectangle

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



59.1875, 0.4200, 0.3929



59.1875, 0.3542, 0.4321



59.1875, 0.2145, 0.2550



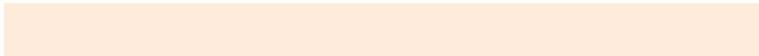
59.1875, 0.2652, 0.2423

# Sweetspot

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



59.1904, 0.4200, 0.3929



85.8291, 0.3381, 0.3475



40.3085, 0.3797, 0.2617



17.9744, 0.3422, 0.3502



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.



59.1904, 0.4200, 0.3929



53.3039, 0.4476, 0.4031



92.9572, 0.3874, 0.4492



19.4388, 0.3282, 0.3405



18.8689, 0.5457, 0.4049

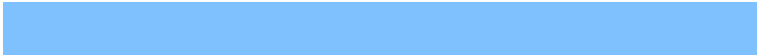


2.0548, 0.5275, 0.4194



# Inverse Universe

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



49.8942, 0.2322, 0.2525



43.0574, 0.2177, 0.2341



27.4847, 0.2164, 0.1715



18.9274, 0.2979, 0.3172



12.6286, 0.1785, 0.1627



1.4484, 0.1841, 0.1828



# Previews

## White Background



This preview shows how the Yxy color 59.1875, 0.4200, 0.3929 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 59.1875, 0.4200, 0.3929 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

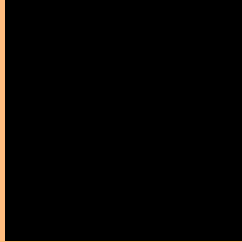
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.1875, 0.4200, 0.3929**

## Background



This preview shows how black text looks on a background with the Yxy color 59.1875, 0.4200, 0.3929.



This preview shows how white text looks on a background with the Yxy color 59.1875, 0.4200, 0.3929.

# 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

59.1875, 0.4200, 0.3929

### Protanopia

59.5935, 0.3794, 0.4108

### Deuteranopia

59.0588, 0.4101, 0.4004



## Tritanopia

59.0671, 0.3647, 0.3167

# Trichromacy



**Original Color**

59.1875, 0.4200, 0.3929

**Protanomaly**

59.3235, 0.3943, 0.4045

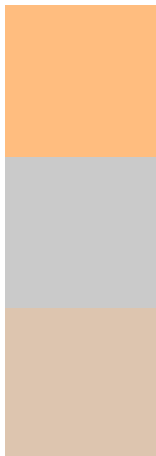
**Deuteranomaly**

59.3454, 0.4141, 0.3984

**Tritanomaly**

58.8602, 0.3859, 0.3450

# Monochromacy



**Original Color**

59.1875, 0.4200, 0.3929

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

58.3998, 0.3492, 0.3545

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.1875, 0.4200, 0.3929 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, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 127)  
}
```

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, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 59.1875, 0.4200, 0.3929 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, 127) }
```

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

```
.border{ border-color:rgb(255, 189, 127) }
```

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, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.1875, 0.4200, 0.3929 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, 127) }
```

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

```
.background{ background-color: rgb(255,  
189, 127) }
```

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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