

# Converting Colors

$Yxy(58.1316, 0.4225, 0.3920)$

Have a look what the booklet for  
Yxy(58.1316, 0.4225, 0.3920)  
contains.

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# **Color**

**Yxy(58.3070, 0.4220, 0.3919)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBB7E
RGB	255, 187, 126
RGB Percent	100%, 73%, 49%
CMY	0.0000, 0.2667, 0.5058
CMYK	0.00, 0.27, 0.51, 0.00
HSL	28°, 100%, 75%
HSV	28°, 51%, 100%
XYZ	62.7853, 58.3070, 27.6880
YIQ	200.3780, 60.1090, -4.5550

# Conversions

## Conversions Part 2

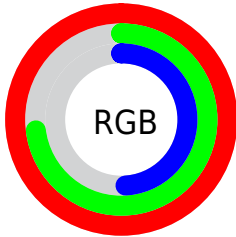
Format	Color
R <sub>Y</sub> B	255, 242, 126
Decimal	16759678
CIE Lab	80.91, 17.74, 40.38
CIE LCh	81, 44.102, 66.277
Yxy	58.3070, 0.4220, 0.3919
Android (android.graphics.Color)	4294949758 (0xFFFFBB7E)
YUV	200.3780, -36.6684, 47.9035
Hunter-Lab	76.3590, 13.1412, 31.9526

# Details

The Yxy color **58.3070, 0.4220, 0.3919** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **50.2500, 0.2320, 0.2537**, and the grayscale version is **58.2040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6565, 0.3605, 0.3920**, and **29.1741, 0.4474, 0.4037** is the 20% darker color. If you saturate the color by 10%, you get **52.2876, 0.4506, 0.4019**, and if you desaturate by 10%, it is **65.0224, 0.3952, 0.3800**.

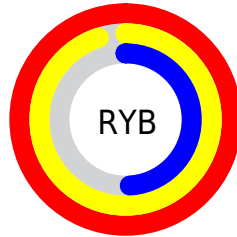
# Distribution



Red (100%)

Green (73%)

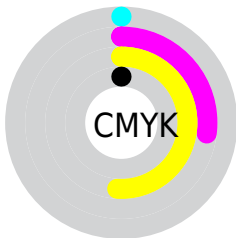
Blue (49%)



Red (100%)

Yellow (95%)

Blue (49%)

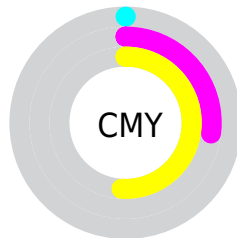


Cyan (0%)

Magenta (27%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3070, 0.4220, 0.3919 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 58.3070, 0.4220, 0.3919 by changing the saturation by 10% instead.




 58.3070, 0.4220,  
0.3919


 58.3070, 0.4220,  
0.3919


418.3289, 0.3699,  
0.3645


 42.0555, 0.4339,  
0.3974


 102.3698, 0.4038,  
0.3830

 29.1448, 0.4486,  
0.4036


 130.9499, 0.3967,  
0.3793

 19.1904, 0.4667,  
0.4105


 164.4083, 0.3907,  
0.3761

 11.8079, 0.4896,  
0.4177

203.1294, 0.3854,  
0.3732

 6.6130, 0.5184,  
0.4238

247.4976, 0.3808,  
0.3707

 3.2213, 0.5662,  
0.4338

297.8974, 0.3767,

 1.2483, 0.5930,

0.3684

0.4070

354.7130, 0.3731,  
0.3664

0.1007, 0.8401,  
0.1599

0.0000, 0.0000,  
0.0000

58.3070, 0.4220,  
0.3919

58.3070, 0.4220,  
0.3919

52.2876, 0.4506,  
0.4019

65.0224, 0.3952,  
0.3800

46.9453, 0.4797,  
0.4087

72.4683, 0.3708,  
0.3671

42.2472, 0.5076,  
0.4110

80.6658, 0.3491,  
0.3542

38.1594, 0.5324,  
0.4077

89.6377, 0.3301,  
0.3416

■ 34.8259, 0.5517,  
0.4001

99.4058, 0.3136,  
0.3297

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.



58.3070, 0.4233, 0.3486



58.3070, 0.4220, 0.3919



58.3070, 0.3898, 0.4246

# Triad

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



58.3070, 0.4220, 0.3919



58.3070, 0.2377, 0.3488



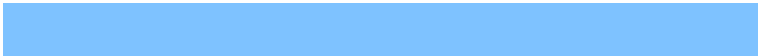
58.3070, 0.2792, 0.2450

# Complementary

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



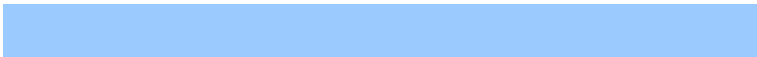
58.3070, 0.4220, 0.3919



50.2500, 0.2320, 0.2537

# 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.



58.3070, 0.2357, 0.2396



58.3070, 0.4220, 0.3919



58.3070, 0.2134, 0.2932

# Square

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



58.3070, 0.4220, 0.3919



58.3070, 0.2827, 0.4035



58.3070, 0.2129, 0.2552



58.3070, 0.3363, 0.2683



# Rectangle

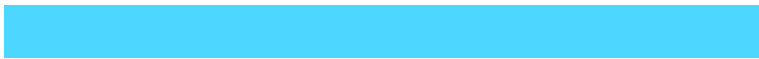
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.3070, 0.4220, 0.3919



58.3070, 0.3568, 0.4334



58.3070, 0.2129, 0.2552



58.3070, 0.2627, 0.2410

# Sweetspot

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



58.3041, 0.4220, 0.3919



85.5776, 0.3382, 0.3471



40.1167, 0.3781, 0.2591



17.9140, 0.3422, 0.3497



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.



58.3041, 0.4220, 0.3919



52.0513, 0.4518, 0.4023



91.5741, 0.3889, 0.4484



19.4033, 0.3282, 0.3403



18.4911, 0.5491, 0.4022



2.0172, 0.5305, 0.4170



# Inverse Universe

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



50.2500, 0.2320, 0.2537



43.1347, 0.2168, 0.2346



27.7055, 0.2161, 0.1726



18.9631, 0.2979, 0.3175



13.0483, 0.1796, 0.1666



1.4893, 0.1851, 0.1864



# Previews

## White Background



This preview shows how the Yxy color 58.3070, 0.4220, 0.3919 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 58.3070, 0.4220, 0.3919 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

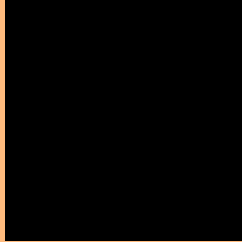
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.3070, 0.4220, 0.3919**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.3070, 0.4220, 0.3919.



This preview shows how white text looks on a background with the Yxy color 58.3070, 0.4220, 0.3919.

# 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

58.3070, 0.4220, 0.3919

### Protanopia

58.4993, 0.3794, 0.4090

### Deuteranopia

58.2346, 0.4097, 0.4009



## Tritanopia

58.1580, 0.3669, 0.3166

# Trichromacy



## Original Color

58.3070, 0.4220, 0.3919

## Protanomaly

58.2474, 0.3944, 0.4027

## Deuteranomaly

58.0817, 0.4143, 0.3979

## Tritanomaly

57.9915, 0.3875, 0.3439

# Monochromacy



## Original Color

58.3070, 0.4220, 0.3919

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

57.2630, 0.3504, 0.3547

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.3070, 0.4220, 0.3919 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, 187, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 126)  
}
```

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, 187, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 58.3070, 0.4220, 0.3919 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, 187, 126) }
```

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

```
.border{ border-color:rgb(255, 187, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 187, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.3070, 0.4220, 0.3919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 126) }
```

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

```
.background{ background-color: rgb(255,  
187, 126) }
```

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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