

# Converting Colors

$Yxy(78.3339, 0.4687, 0.3598)$

Have a look what the booklet for  
Yxy(78.3339, 0.4687, 0.3598)  
contains.

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# **Color**

**Yxy(58.9072, 0.4048, 0.3710)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBB93
RGB	255, 187, 147
RGB Percent	100%, 73%, 58%
CMY	0.0001, 0.2666, 0.4234
CMYK	0.00, 0.27, 0.42, 0.00
HSL	22°, 100%, 79%
HSV	22°, 42%, 100%
XYZ	64.2739, 58.9072, 35.5984
YIQ	202.7720, 53.3680, 1.9760

# Conversions

## Conversions Part 2

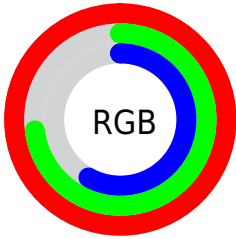
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 211, 147
Decimal	16759699
CIE Lab	81.24, 19.73, 29.88
CIE LCh	81, 35.803, 56.560
Yxy	58.9072, 0.4048, 0.3710
Android (android.graphics.Color)	4294949779 (0xFFFFBB93)
YUV	202.7720, -27.4956, 45.8040
Hunter-Lab	76.7510, 15.1677, 26.2261

# Details

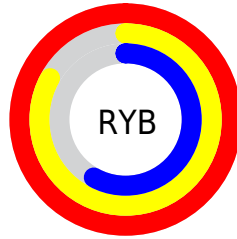
The Yxy color **58.9072, 0.4048, 0.3710** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.0265, 0.2471, 0.2818**, and the grayscale version is **59.7237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5782, 0.3471, 0.3709**, and **29.6305, 0.4279, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **51.7600, 0.4353, 0.3801**, and if you desaturate by 10%, it is **66.9991, 0.3776, 0.3609**.

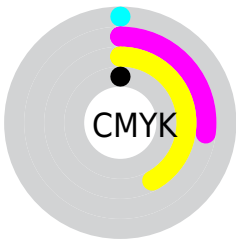
# Distribution



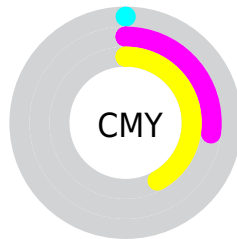
- Red (100%)
- Green (73%)
- Blue (58%)



- Red (100%)
- Yellow (83%)
- Blue (58%)



- Cyan (0%)
- Magenta (27%)
- Yellow (42%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9072, 0.4048, 0.3710 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 58.9072, 0.4048, 0.3710 by changing the saturation by 10% instead.




 58.9072, 0.4048,  
0.3710


 58.9072, 0.4048,  
0.3710


420.5579, 0.3604,  
0.3527

 42.5384, 0.4152,  
0.3748


 103.2428, 0.3891,  
0.3650

 29.5231, 0.4283,  
0.3791


 131.9784, 0.3831,  
0.3625

 19.4769, 0.4448,  
0.3841


165.6050, 0.3779,  
0.3604

 12.0154, 0.4665,  
0.3897

204.5071, 0.3735,  
0.3585

 6.7542, 0.4956,  
0.3951

249.0691, 0.3696,  
0.3568

 3.3088, 0.5408,  
0.4019

299.6752, 0.3661,

 1.2950, 0.6023,

0.3553

0.3977

356.7101, 0.3631,  
0.3539

0.1373, 0.8168,  
0.1832

0.0000, 0.0000,  
0.0000

58.9072, 0.4048,  
0.3710

58.9072, 0.4048,  
0.3710

51.7600, 0.4353,  
0.3801

66.9991, 0.3776,  
0.3609

45.5122, 0.4684,  
0.3873

76.0616, 0.3540,  
0.3506

40.1270, 0.5026,  
0.3911

86.1304, 0.3337,  
0.3406

35.5611, 0.5353,  
0.3903

97.2365, 0.3164,  
0.3311

■ 31.7666, 0.5635,  
0.3843

99.9967, 0.3127,  
0.3290

■ 29.3399, 0.5813,  
0.3767

# Harmonies

## Analogous

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



58.9072, 0.3963, 0.3343



58.9072, 0.4048, 0.3710



58.9072, 0.3867, 0.4007

# Triad

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



58.9072, 0.4048, 0.3710



58.9072, 0.2622, 0.3604



58.9072, 0.2725, 0.2562

# Complementary

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



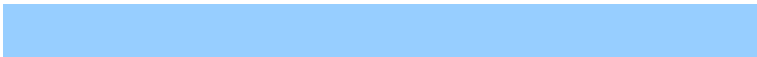
58.9072, 0.4048, 0.3710



62.0265, 0.2471, 0.2818

# 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.



58.9072, 0.2412, 0.2577



58.9072, 0.4048, 0.3710



58.9072, 0.2355, 0.3144

# Square

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



58.9072, 0.4048, 0.3710



58.9072, 0.3034, 0.3985



58.9072, 0.2283, 0.2775



58.9072, 0.3168, 0.2711



# Rectangle

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



58.9072, 0.4048, 0.3710



58.9072, 0.3632, 0.4114



58.9072, 0.2283, 0.2775



58.9072, 0.2603, 0.2548

# Sweetspot

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



58.9100, 0.4048, 0.3710



85.4441, 0.3349, 0.3413



47.0607, 0.3529, 0.2595



17.7972, 0.3392, 0.3434



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.



58.9100, 0.4048, 0.3710



52.6708, 0.4311, 0.3790



86.0320, 0.3816, 0.4217



19.0889, 0.3285, 0.3379



15.5939, 0.5783, 0.3790



1.7189, 0.5568, 0.3961



# Inverse Universe

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



62.0265, 0.2471, 0.2818



56.1217, 0.2348, 0.2701



39.0631, 0.2359, 0.2148



19.2842, 0.2979, 0.3200



17.3064, 0.1896, 0.2026



1.8943, 0.1941, 0.2186



# Previews

## White Background



This preview shows how the Yxy color 58.9072, 0.4048, 0.3710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

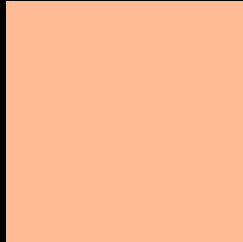
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.9072, 0.4048, 0.3710 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

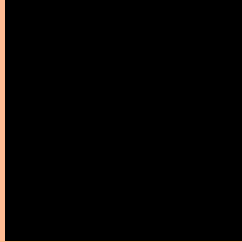
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.9072, 0.4048, 0.3710**

## Background



This preview shows how black text looks on a background with the Yxy color 58.9072, 0.4048, 0.3710.



This preview shows how white text looks on a background with the Yxy color 58.9072, 0.4048, 0.3710.

# 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

58.9072, 0.4048, 0.3710

### Protanopia

59.1731, 0.3600, 0.3854

### Deuteranopia

59.1842, 0.3897, 0.3818



## Tritanopia

59.0671, 0.3647, 0.3167

# Trichromacy



**Original Color**

58.9072, 0.4048, 0.3710

**Protanomaly**

58.9899, 0.3759, 0.3811

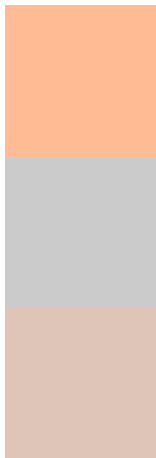
**Deuteranomaly**

58.7494, 0.3953, 0.3778

**Tritanomaly**

58.7553, 0.3792, 0.3355

# Monochromacy



**Original Color**

58.9072, 0.4048, 0.3710

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

58.8810, 0.3437, 0.3452

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.9072, 0.4048, 0.3710 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 58.9072, 0.4048, 0.3710 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, 147) }
```

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

```
.border{ border-color:rgb(255, 187, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.9072, 0.4048, 0.3710 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, 147) }
```

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

```
.background{ background-color: rgb(255,  
187, 147) }
```

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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