

# Converting Colors

$Yxy(66.1505, 0.4273, 0.3648)$

Have a look what the booklet for  
Yxy(66.1505, 0.4273, 0.3648)  
contains.

<b>Yxy(59.4284, 0.4019, 0.3690)</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(59.4284, 0.4019, 0.3690)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFBC96
RGB	255, 188, 150
RGB Percent	100%, 74%, 59%
CMY	0.0000, 0.2627, 0.4119
CMYK	0.00, 0.26, 0.41, 0.00
HSL	22°, 100%, 79%
HSV	22°, 41%, 100%
XYZ	64.7270, 59.4284, 36.8971
YIQ	203.7010, 52.1300, 2.3860

# Conversions

## Conversions Part 2

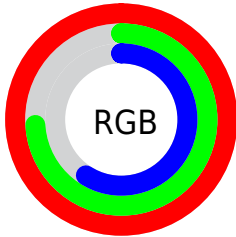
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 210, 150
Decimal	16759958
CIE <sub>Lab</sub>	81.53, 19.53, 28.71
CIE <sub>LCh</sub>	82, 34.723, 55.784
Yxy	59.4284, 0.4019, 0.3690
Android (android.graphics.Color)	4294950038 (0xFFFFBC96)
YUV	203.7010, -26.4746, 44.9892
Hunter-Lab	77.0898, 14.9670, 25.5852

# Details

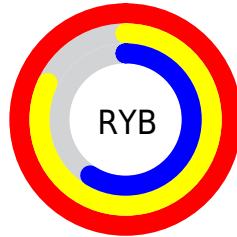
The Yxy color **59.4284, 0.4019, 0.3690** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.3033, 0.2489, 0.2843**, and the grayscale version is **60.3297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3210, 0.3450, 0.3688**, and **29.9646, 0.4239, 0.3771** is the 20% darker color. If you saturate the color by 10%, you get **52.1344, 0.4323, 0.3781**, and if you desaturate by 10%, it is **67.6881, 0.3750, 0.3591**.

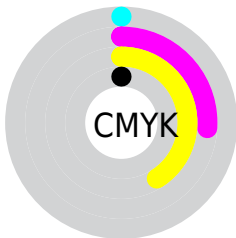
# Distribution



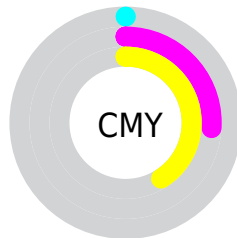
- Red (100%)
- Green (74%)
- Blue (59%)



- Red (100%)
- Yellow (82%)
- Blue (59%)



- Cyan (0%)
- Magenta (26%)
- Yellow (41%)
- Black (0%)




- Cyan (0%)
- Magenta (26%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.4284, 0.4019, 0.3690 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 59.4284, 0.4019, 0.3690 by changing the saturation by 10% instead.





 59.4284, 0.4019,  
0.3690


 59.4284, 0.4019,  
0.3690


422.4877, 0.3589,  
0.3515

 42.9581, 0.4120,  
0.3726


 104.0000, 0.3867,  
0.3632

 29.8522, 0.4246,  
0.3768

 132.8701, 0.3809,  
0.3609

 19.7264, 0.4407,  
0.3816


166.6423, 0.3759,  
0.3588

 12.1964, 0.4618,  
0.3870

205.7009, 0.3716,  
0.3570

 6.8775, 0.4903,  
0.3926

250.4303, 0.3678,  
0.3554

 3.3856, 0.5327,  
0.3982

301.2150, 0.3645,

 1.3362, 0.6002,

0.3540

0.3998

358.4393, 0.3615,  
0.3527

0.1690, 0.7904,  
0.2096

0.0000, 0.0000,  
0.0000

59.4284, 0.4019,  
0.3690

59.4284, 0.4019,  
0.3690

52.1344, 0.4323,  
0.3781

67.6881, 0.3750,  
0.3591

45.7627, 0.4655,  
0.3853

76.9431, 0.3516,  
0.3490

40.2749, 0.5001,  
0.3894

87.2285, 0.3316,  
0.3393

35.6270, 0.5335,  
0.3891

98.5762, 0.3146,  
0.3301

■ 31.7701, 0.5627,  
0.3835

100.0000, 0.3127,  
0.3290

■ 28.9770, 0.5835,  
0.3749

# Harmonies

## Analogous

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



59.4284, 0.3929, 0.3334



59.4284, 0.4019, 0.3690



59.4284, 0.3851, 0.3979

# Triad

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



59.4284, 0.4019, 0.3690



59.4284, 0.2647, 0.3604



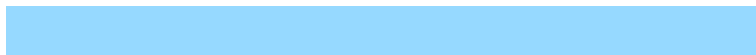
59.4284, 0.2728, 0.2582

# Complementary

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



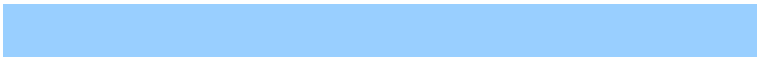
59.4284, 0.4019, 0.3690



63.3033, 0.2489, 0.2843

# 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.



59.4284, 0.2429, 0.2602



59.4284, 0.4019, 0.3690



59.4284, 0.2383, 0.3161

# Square

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



59.4284, 0.4019, 0.3690



59.4284, 0.3050, 0.3967



59.4284, 0.2307, 0.2800



59.4284, 0.3155, 0.2723



# Rectangle

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



59.4284, 0.4019, 0.3690



59.4284, 0.3627, 0.4085



59.4284, 0.2307, 0.2800



59.4284, 0.2611, 0.2570

# Sweetspot

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



59.4304, 0.4019, 0.3690



86.3573, 0.3331, 0.3400



48.1352, 0.3498, 0.2597



18.1861, 0.3356, 0.3413



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.



59.4304, 0.4019, 0.3690



53.6526, 0.4254, 0.3762



85.3370, 0.3804, 0.4178



19.0640, 0.3285, 0.3377



15.3984, 0.5805, 0.3773

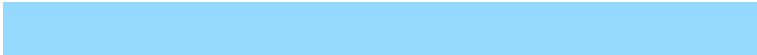


1.6980, 0.5589, 0.3944

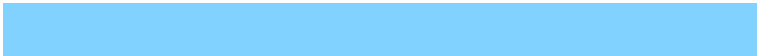


# Inverse Universe

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



63.3033, 0.2489, 0.2843



57.9362, 0.2378, 0.2742



40.8707, 0.2386, 0.2206



19.3099, 0.2980, 0.3202



17.6866, 0.1904, 0.2055



1.9298, 0.1948, 0.2212



# Previews

## White Background



This preview shows how the Yxy color 59.4284, 0.4019, 0.3690 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 59.4284, 0.4019, 0.3690 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

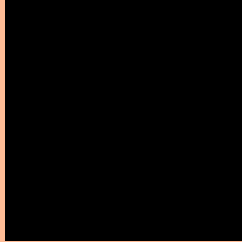
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.4284, 0.4019, 0.3690**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.4284, 0.4019, 0.3690.



This preview shows how white text looks on a background with the Yxy color 59.4284, 0.4019, 0.3690.

# 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

59.4284, 0.4019, 0.3690

### Protanopia

59.8979, 0.3583, 0.3828

### Deuteranopia

59.2788, 0.3873, 0.3785



## Tritanopia

59.5265, 0.3636, 0.3167

# Trichromacy



**Original Color**

59.4284, 0.4019, 0.3690

**Protanomaly**

59.7102, 0.3741, 0.3787

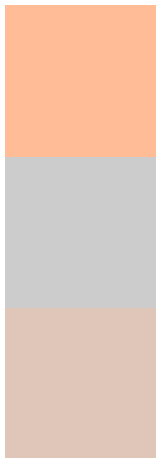
**Deuteranomaly**

59.2817, 0.3924, 0.3756

**Tritanomaly**

59.2126, 0.3781, 0.3355

# Monochromacy



**Original Color**

59.4284, 0.4019, 0.3690

**Achromatopsia**

60.3827, 0.3127, 0.3290

**Achromatomaly**

59.5368, 0.3436, 0.3451

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.4284, 0.4019, 0.3690 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 59.4284, 0.4019, 0.3690 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, 150) }
```

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

```
.border{ border-color:rgb(255, 188, 150) }
```

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, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.4284, 0.4019, 0.3690 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, 150) }
```

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

```
.background{ background-color: rgb(255,  
188, 150) }
```

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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