

# Converting Colors

$Y_{xy}(59.0528, 0.4101, 0.3787)$

Have a look what the booklet for  
Yxy(59.0528, 0.4101, 0.3787)  
contains.

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# **Color**

**Yxy(59.1199, 0.4102, 0.3791)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFBC8C
RGB	255, 188, 140
RGB Percent	100%, 74%, 55%
CMY	0.0000, 0.2628, 0.4509
CMYK	0.00, 0.26, 0.45, 0.00
HSL	25°, 100%, 77%
HSV	25°, 45%, 100%
XYZ	63.9699, 59.1199, 32.8583
YIQ	202.5610, 55.3400, -0.7240

# Conversions

## Conversions Part 2

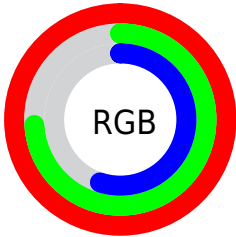
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 222, 140
Decimal	16759948
CIE Lab	81.36, 18.53, 33.71
CIE LCh	81, 38.466, 61.198
Yxy	59.1199, 0.4102, 0.3791
Android (android.graphics.Color)	4294950028 (0xFFFFBC8C)
YUV	202.5610, -30.8426, 45.9890
Hunter-Lab	76.8895, 13.9504, 28.4854

# Details

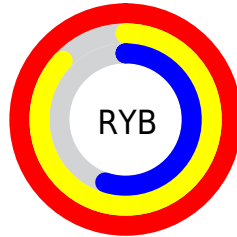
The Yxy color **59.1199, 0.4102, 0.3791** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.4401, 0.2419, 0.2714**, and the grayscale version is **59.5975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8564, 0.3513, 0.3789**, and **29.7850, 0.4346, 0.3895** is the 20% darker color. If you saturate the color by 10%, you get **52.4214, 0.4398, 0.3890**, and if you desaturate by 10%, it is **66.6360, 0.3832, 0.3680**.

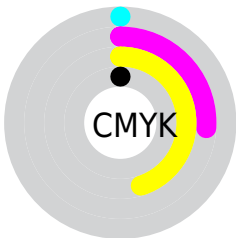
# Distribution



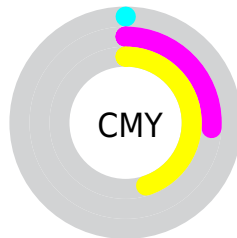
- Red (100%)
- Green (74%)
- Blue (55%)



- Red (100%)
- Yellow (87%)
- Blue (55%)



- Cyan (0%)
- Magenta (26%)
- Yellow (45%)
- Black (0%)




- Cyan (0%)
- Magenta (26%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1199, 0.4102, 0.3791 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 59.1199, 0.4102, 0.3791 by changing the saturation by 10% instead.




 59.1199, 0.4102,  
0.3791

 59.1199, 0.4102,  
0.3791


421.3461, 0.3634,  
0.3572


 42.7096, 0.4211,  
0.3836


 103.5519, 0.3937,  
0.3719

 29.6574, 0.4346,  
0.3888


 132.3424, 0.3874,  
0.3689

 19.5787, 0.4517,  
0.3947


 166.0285, 0.3820,  
0.3664

 12.0891, 0.4737,  
0.4012

204.9946, 0.3772,  
0.3641

 6.8044, 0.5027,  
0.4075

249.6250, 0.3731,  
0.3621

 3.3401, 0.5530,  
0.4196


300.3041, 0.3695,

 1.3118, 0.5956,


0.3603


0.4044

357.4163, 0.3663,  
0.3586


 0.1503, 0.7984,  
0.2016

 0.0000, 0.0000,  
0.0000


 59.1199, 0.4102,  
0.3791


 59.1199, 0.4102,  
0.3791


 52.4214, 0.4398,  
0.3890


 66.6360, 0.3832,  
0.3680


 46.5246, 0.4713,  
0.3964

 75.0155, 0.3594,  
0.3564

 41.3896, 0.5030,  
0.4001

 84.2814, 0.3387,  
0.3451

 36.9788, 0.5325,  
0.3988

 94.4604, 0.3208,  
0.3343

■ 33.2491, 0.5575,  
0.3920

100.0000, 0.3127,  
0.3290

■ 31.6458, 0.5681,  
0.3872

# Harmonies

## Analogous

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



59.1199, 0.4058, 0.3404



59.1199, 0.4102, 0.3791



59.1199, 0.3867, 0.4092

# Triad

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



59.1199, 0.4102, 0.3791



59.1199, 0.2529, 0.3550



59.1199, 0.2762, 0.2528

# Complementary

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



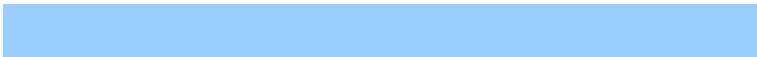
59.1199, 0.4102, 0.3791



57.4401, 0.2419, 0.2714

# 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.



59.1199, 0.2403, 0.2514



59.1199, 0.4102, 0.3791



59.1199, 0.2276, 0.3060

# Square

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



59.1199, 0.4102, 0.3791



59.1199, 0.2950, 0.3991



59.1199, 0.2234, 0.2692



59.1199, 0.3248, 0.2711



# Rectangle

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



59.1199, 0.4102, 0.3791



59.1199, 0.3597, 0.4187



59.1199, 0.2234, 0.2692



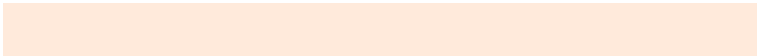
59.1199, 0.2624, 0.2503

# Sweetspot

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



59.1146, 0.4102, 0.3791



85.3457, 0.3366, 0.3439



44.5319, 0.3623, 0.2606



17.8186, 0.3408, 0.3463



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.



59.1146, 0.4102, 0.3791



53.1115, 0.4365, 0.3880



88.7124, 0.3837, 0.4322



19.2321, 0.3284, 0.3390



16.8143, 0.5652, 0.3894

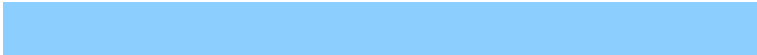


1.8470, 0.5448, 0.4056

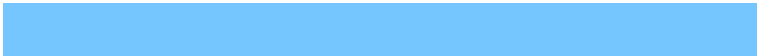


# Inverse Universe

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



57.4401, 0.2419, 0.2714



51.2086, 0.2289, 0.2576



34.4835, 0.2291, 0.1989



19.1369, 0.2979, 0.3188



15.2439, 0.1850, 0.1859



1.7002, 0.1900, 0.2038



# Previews

## White Background



This preview shows how the Yxy color 59.1199, 0.4102, 0.3791 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 59.1199, 0.4102, 0.3791 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

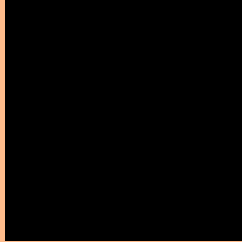
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.1199, 0.4102, 0.3791**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.1199, 0.4102, 0.3791.



This preview shows how white text looks on a background with the Yxy color 59.1199, 0.4102, 0.3791.

# 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

59.1199, 0.4102, 0.3791

### Protanopia

59.2218, 0.3678, 0.3944

### Deuteranopia

59.3249, 0.3970, 0.3888



## Tritanopia

59.0671, 0.3647, 0.3167

# Trichromacy



## Original Color

59.1199, 0.4102, 0.3791

## Protanomaly

58.9350, 0.3823, 0.3888

## Deuteranomaly

59.3375, 0.4022, 0.3858

## Tritanomaly

59.0531, 0.3815, 0.3397

# Monochromacy



## Original Color

59.1199, 0.4102, 0.3791

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

59.2130, 0.3459, 0.3498

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.1199, 0.4102, 0.3791 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 59.1199, 0.4102, 0.3791 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, 140) }
```

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

```
.border{ border-color:rgb(255, 188, 140) }
```

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, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 188, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 188, 140); box-shadow:4px 4px 4px 4px rgb(255, 188, 140) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.1199, 0.4102, 0.3791 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, 140) }
```

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

```
.background{ background-color: rgb(255,  
188, 140) }
```

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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