

# Converting Colors

$Y_{xy}(59.8268, 0.4043, 0.3738)$

Have a look what the booklet for  
Yxy(59.8268, 0.4043, 0.3738)  
contains.

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# Color

**Yxy(59.7305, 0.4047, 0.3741)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBD92
RGB	255, 189, 146
RGB Percent	100%, 74%, 57%
CMY	0.0001, 0.2587, 0.4274
CMYK	0.00, 0.26, 0.43, 0.00
HSL	24°, 100%, 79%
HSV	24°, 43%, 100%
XYZ	64.6162, 59.7305, 35.3178
YIQ	203.8320, 53.1390, 0.6190

# Conversions

## Conversions Part 2

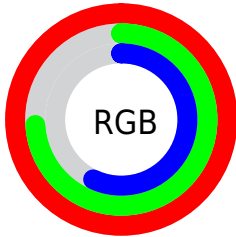
Format	Color
R <sub>Y</sub> B	255, 217, 146
Decimal	16760210
CIE Lab	81.69, 18.56, 31.02
CIE LCh	82, 36.147, 59.099
Yxy	59.7305, 0.4047, 0.3741
Android (android.graphics.Color)	4294950290 (0xFFFFBD92)
YUV	203.8320, -28.5112, 44.8743
Hunter-Lab	77.2855, 13.9892, 27.0056

# Details

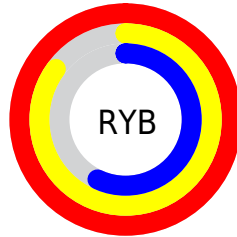
The Yxy color **59.7305, 0.4047, 0.3741** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **60.3880, 0.2459, 0.2780**, and the grayscale version is **60.4310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7349, 0.3473, 0.3738**, and **30.1703, 0.4275, 0.3834** is the 20% darker color. If you saturate the color by 10%, you get **52.7364, 0.4345, 0.3838**, and if you desaturate by 10%, it is **67.6136, 0.3780, 0.3634**.

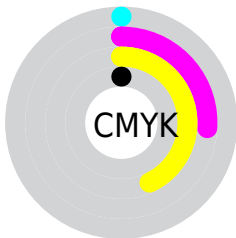
# Distribution



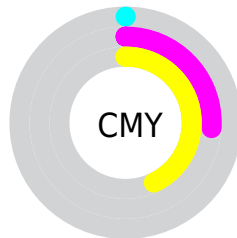
- Red (100%)
- Green (74%)
- Blue (57%)



- Red (100%)
- Yellow (85%)
- Blue (57%)



- Cyan (0%)
- Magenta (26%)
- Yellow (43%)
- Black (0%)




- Cyan (0%)
- Magenta (26%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.7305, 0.4047, 0.3741 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 59.7305, 0.4047, 0.3741 by changing the saturation by 10% instead.





 59.7305, 0.4047,  
0.3741


 59.7305, 0.4047,  
0.3741


423.6037, 0.3605,  
0.3543

 43.2014, 0.4150,  
0.3782


 104.4386, 0.3891,  
0.3676

 30.0432, 0.4279,  
0.3829


 133.3865, 0.3831,  
0.3649

 19.8714, 0.4442,  
0.3884


167.2427, 0.3780,  
0.3626

 12.3016, 0.4654,  
0.3946

206.3918, 0.3736,  
0.3606

 6.9494, 0.4938,  
0.4008

251.2180, 0.3697,  
0.3587

 3.4305, 0.5378,  
0.4090


302.1058, 0.3663,

 1.3604, 0.5946,


0.3571


0.4054

359.4396, 0.3632,  
0.3557


 0.1873, 0.7712,  
0.2288


 0.0000, 0.0000,  
0.0000


 59.7305, 0.4047,  
0.3741


 59.7305, 0.4047,  
0.3741


 52.7364, 0.4345,  
0.3838


 67.6136, 0.3780,  
0.3634


 46.5887, 0.4667,  
0.3914

 76.4088, 0.3546,  
0.3525

 41.2539, 0.4996,  
0.3956

 86.1492, 0.3343,  
0.3418

 36.6921, 0.5310,  
0.3951

 96.8633, 0.3170,  
0.3317

■ 32.8588, 0.5581,  
0.3892

99.9932, 0.3127,  
0.3290

■ 30.4955, 0.5744,  
0.3821

# Harmonies

## Analogous

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



59.7305, 0.3985, 0.3375



59.7305, 0.4047, 0.3741



59.7305, 0.3845, 0.4029

# Triad

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



59.7305, 0.4047, 0.3741



59.7305, 0.2590, 0.3566



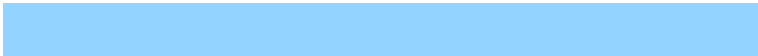
59.7305, 0.2757, 0.2565

# Complementary

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



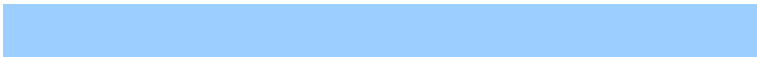
59.7305, 0.4047, 0.3741



60.3880, 0.2459, 0.2780

# 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.



59.7305, 0.2429, 0.2566



59.7305, 0.4047, 0.3741



59.7305, 0.2337, 0.3107

# Square

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



59.7305, 0.4047, 0.3741



59.7305, 0.2995, 0.3964



59.7305, 0.2282, 0.2749



59.7305, 0.3209, 0.2728



# Rectangle

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



59.7305, 0.4047, 0.3741



59.7305, 0.3599, 0.4125



59.7305, 0.2282, 0.2749



59.7305, 0.2630, 0.2546

# Sweetspot

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



59.7334, 0.4047, 0.3741



85.9071, 0.3348, 0.3420



46.6257, 0.3552, 0.2606



17.9108, 0.3391, 0.3444



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.



59.7334, 0.4047, 0.3741



53.9062, 0.4291, 0.3822



86.9831, 0.3815, 0.4241



19.1636, 0.3284, 0.3384



16.2102, 0.5715, 0.3844



1.7842, 0.5506, 0.4010



# Inverse Universe

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



60.3880, 0.2459, 0.2780



54.5977, 0.2339, 0.2660



38.0271, 0.2348, 0.2113



19.2071, 0.2979, 0.3194



16.2038, 0.1872, 0.1939



1.7910, 0.1919, 0.2108



# Previews

## White Background



This preview shows how the Yxy color 59.7305, 0.4047, 0.3741 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

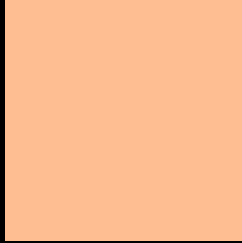
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.7305, 0.4047, 0.3741 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 59.7305, 0.4047, 0.3741**

## Background



This preview shows how black text looks on a background with the Yxy color 59.7305, 0.4047, 0.3741.



This preview shows how white text looks on a background with the Yxy color 59.7305, 0.4047, 0.3741.

# 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

59.7305, 0.4047, 0.3741

### Protanopia

59.8843, 0.3629, 0.3885

### Deuteranopia

59.9518, 0.3918, 0.3835



## Tritanopia

59.5722, 0.3627, 0.3156

# Trichromacy



**Original Color**

59.7305, 0.4047, 0.3741

**Protanomaly**

59.5791, 0.3772, 0.3832

**Deuteranomaly**

59.9584, 0.3969, 0.3805

**Tritanomaly**

59.5922, 0.3786, 0.3376

# Monochromacy



**Original Color**

59.7305, 0.4047, 0.3741

**Achromatopsia**

60.3827, 0.3127, 0.3290

**Achromatomaly**

59.9537, 0.3442, 0.3474

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.7305, 0.4047, 0.3741 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 59.7305, 0.4047, 0.3741 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, 146) }
```

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

```
.border{ border-color:rgb(255, 189, 146) }
```

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, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.7305, 0.4047, 0.3741 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, 146) }
```

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

```
.background{ background-color: rgb(255,  
189, 146) }
```

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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