

# Converting Colors

$Yxy(62.1702, 0.4248, 0.3758)$

Have a look what the booklet for  
Yxy(62.1702, 0.4248, 0.3758)  
contains.

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# Color

**Yxy(58.6941, 0.4107, 0.3781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBB8C
RGB	255, 187, 140
RGB Percent	100%, 73%, 55%
CMY	0.0000, 0.2667, 0.4509
CMYK	0.00, 0.27, 0.45, 0.00
HSL	25°, 100%, 77%
HSV	25°, 45%, 100%
XYZ	63.7547, 58.6941, 32.7855
YIQ	201.9740, 55.6150, -0.2010

# Conversions

## Conversions Part 2

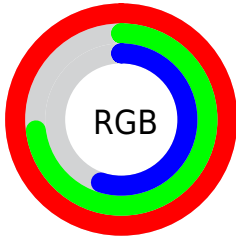
Format	Color
R <sub>Y</sub> B	255, 219, 140
Decimal	16759692
CIE Lab	81.12, 19.05, 33.40
CIE LCh	81, 38.453, 60.303
Yxy	58.6941, 0.4107, 0.3781
Android (android.graphics.Color)	4294949772 (0xFFFFBB8C)
YUV	201.9740, -30.5532, 46.5038
Hunter-Lab	76.6121, 14.4723, 28.2558

# Details

The Yxy color **58.6941, 0.4107, 0.3781** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.9218, 0.2421, 0.2727**, and the grayscale version is **59.2100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2562, 0.3516, 0.3779**, and **29.5072, 0.4354, 0.3882** is the 20% darker color. If you saturate the color by 10%, you get **51.9562, 0.4406, 0.3878**, and if you desaturate by 10%, it is **66.2704, 0.3835, 0.3672**.

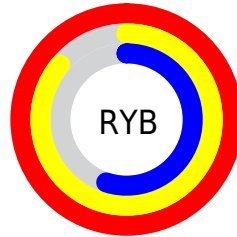
# Distribution



Red (100%)

Green (73%)

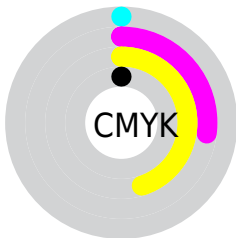
Blue (55%)



Red (100%)

Yellow (86%)

Blue (55%)

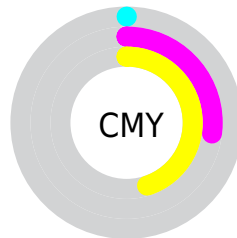


Cyan (0%)

Magenta (27%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6941, 0.4107, 0.3781 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 58.6941, 0.4107, 0.3781 by changing the saturation by 10% instead.




 58.6941, 0.4107,  
0.3781


 58.6941, 0.4107,  
0.3781


419.7674, 0.3636,  
0.3567


 42.3669, 0.4217,  
0.3825

 102.9329, 0.3941,  
0.3710

 29.3887, 0.4353,  
0.3875


 131.6134, 0.3877,  
0.3682

 19.3751, 0.4526,  
0.3933


 165.1804, 0.3822,  
0.3657

 11.9416, 0.4749,  
0.3995

204.0183, 0.3775,  
0.3634

 6.7039, 0.5043,  
0.4055

248.5116, 0.3734,  
0.3614

 3.2776, 0.5558,  
0.4173

299.0446, 0.3697,

 1.2783, 0.5992,

0.3597

0.4008

356.0017, 0.3665,  
0.3581

0.1243, 0.8243,  
0.1757

0.0000, 0.0000,  
0.0000

58.6941, 0.4107,  
0.3781

58.6941, 0.4107,  
0.3781

51.9562, 0.4406,  
0.3878

66.2704, 0.3835,  
0.3672

46.0359, 0.4725,  
0.3950

74.7279, 0.3596,  
0.3559

40.8937, 0.5046,  
0.3985

84.0918, 0.3388,  
0.3448

36.4907, 0.5346,  
0.3970

94.3895, 0.3208,  
0.3341

■ 32.7827, 0.5599,  
0.3900

100.0000, 0.3127,  
0.3290

■ 31.1954, 0.5705,  
0.3852

# Harmonies

## Analogous

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



58.6941, 0.4054, 0.3393



58.6941, 0.4107, 0.3781



58.6941, 0.3879, 0.4087

# Triad

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



58.6941, 0.4107, 0.3781



58.6941, 0.2538, 0.3565



58.6941, 0.2748, 0.2524

# Complementary

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



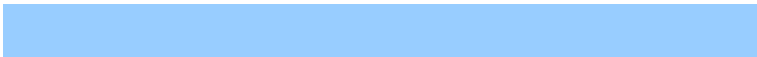
58.6941, 0.4107, 0.3781



57.9218, 0.2421, 0.2727

# 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.



58.6941, 0.2394, 0.2515



58.6941, 0.4107, 0.3781



58.6941, 0.2279, 0.3073

# Square

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



58.6941, 0.4107, 0.3781



58.6941, 0.2964, 0.4002



58.6941, 0.2231, 0.2699



58.6941, 0.3233, 0.2702



# Rectangle

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



58.6941, 0.4107, 0.3781



58.6941, 0.3611, 0.4187



58.6941, 0.2231, 0.2699



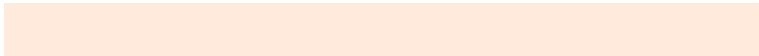
58.6941, 0.2611, 0.2501

# Sweetspot

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



58.6901, 0.4107, 0.3781



85.1700, 0.3367, 0.3436



44.6248, 0.3603, 0.2588



17.7760, 0.3408, 0.3459



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.



58.6901, 0.4107, 0.3781



52.6511, 0.4373, 0.3868



87.5558, 0.3845, 0.4306



19.2056, 0.3284, 0.3388



16.5760, 0.5676, 0.3875



1.8223, 0.5470, 0.4038



# Inverse Universe

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



57.9218, 0.2421, 0.2727



51.7532, 0.2293, 0.2591



35.0962, 0.2295, 0.2013



19.1640, 0.2979, 0.3190



15.6098, 0.1858, 0.1890



1.7349, 0.1907, 0.2065



# Previews

## White Background



This preview shows how the Yxy color 58.6941, 0.4107, 0.3781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

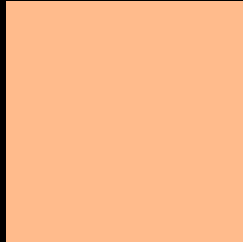
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.6941, 0.4107, 0.3781 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

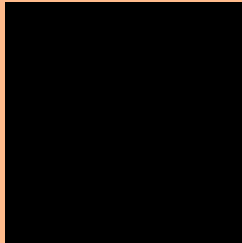
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.6941, 0.4107, 0.3781**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.6941, 0.4107, 0.3781.



This preview shows how white text looks on a background with the Yxy color 58.6941, 0.4107, 0.3781.

# 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

58.6941, 0.4107, 0.3781

### Protanopia

59.0681, 0.3669, 0.3946

### Deuteranopia

58.7048, 0.3966, 0.3880



## Tritanopia

58.6109, 0.3658, 0.3166

# Trichromacy



**Original Color**

58.6941, 0.4107, 0.3781

**Protanomaly**

58.9350, 0.3823, 0.3888

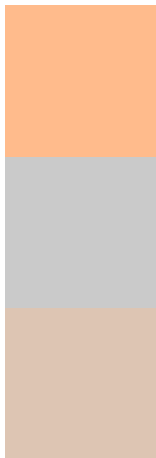
**Deuteranomaly**

58.7185, 0.4018, 0.3849

**Tritanomaly**

58.5970, 0.3827, 0.3397

# Monochromacy



**Original Color**

58.6941, 0.4107, 0.3781

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

58.5593, 0.3461, 0.3499

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.6941, 0.4107, 0.3781 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 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, 187, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 58.6941, 0.4107, 0.3781 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, 140) }
```

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

```
.border{ border-color:rgb(255, 187, 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, 187, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.6941, 0.4107, 0.3781 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, 140) }
```

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

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