

# Converting Colors

$Y_{xy}(60.1116, 0.4328, 0.3777)$

Have a look what the booklet for  
Yxy(60.1116, 0.4328, 0.3777)  
contains.

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# **Color**

**Yxy(56.8204, 0.4186, 0.3811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB785
RGB	255, 183, 133
RGB Percent	100%, 72%, 52%
CMY	0.0000, 0.2824, 0.4785
CMYK	0.00, 0.28, 0.48, 0.00
HSL	25°, 100%, 76%
HSV	25°, 48%, 100%
XYZ	62.4115, 56.8204, 29.8639
YIQ	198.8280, 58.9620, -0.2860

# Conversions

## Conversions Part 2

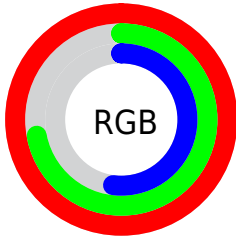
Format	Color
R <sub>Y</sub> B	255, 218, 133
Decimal	16758661
CIE Lab	80.08, 20.46, 35.71
CIE LCh	80, 41.153, 60.191
Yxy	56.8204, 0.4186, 0.3811
Android (android.graphics.Color)	4294948741 (0xFFFFB785)
YUV	198.8280, -32.4532, 49.2628
Hunter-Lab	75.3793, 15.8781, 29.2759

# Details

The Yxy color **56.8204, 0.4186, 0.3811** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.8639, 0.2380, 0.2683**, and the grayscale version is **57.1757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5809, 0.3570, 0.3812**, and **28.3256, 0.4451, 0.3903** is the 20% darker color. If you saturate the color by 10%, you get **50.3190, 0.4492, 0.3903**, and if you desaturate by 10%, it is **64.1552, 0.3906, 0.3704**.

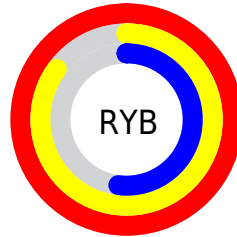
# Distribution



Red (100%)

Green (72%)

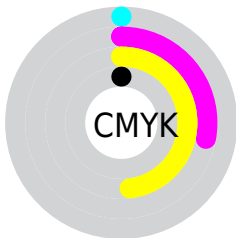
Blue (52%)



Red (100%)

Yellow (85%)

Blue (52%)

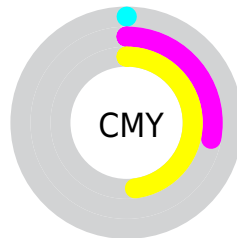


Cyan (0%)

Magenta (28%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (28%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8204, 0.4186, 0.3811 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 56.8204, 0.4186, 0.3811 by changing the saturation by 10% instead.





 56.8204, 0.4186,  
0.3811


 56.8204, 0.4186,  
0.3811


412.7760, 0.3675,  
0.3585

 40.8611, 0.4305,  
0.3856

 100.2031, 0.4006,  
0.3737

 28.2105, 0.4453,  
0.3907


 128.3952, 0.3937,  
0.3707

 18.4844, 0.4639,  
0.3964


 161.4337, 0.3877,  
0.3681

 11.2983, 0.4879,  
0.4023

199.7030, 0.3826,  
0.3657

 6.2679, 0.5191,  
0.4070

243.5875, 0.3781,  
0.3636

 3.0086, 0.5793,  
0.4207

293.4716, 0.3741,

 1.1362, 0.6108,

0.3617

0.3892

349.7396, 0.3706,  
0.3600

0.0087, 0.9832,  
0.0168

0.0000, 0.0000,  
0.0000

56.8204, 0.4186,  
0.3811

56.8204, 0.4186,  
0.3811

50.3190, 0.4492,  
0.3903

64.1552, 0.3906,  
0.3704

44.6197, 0.4812,  
0.3966

72.3567, 0.3658,  
0.3591

39.6856, 0.5129,  
0.3989

81.4534, 0.3442,  
0.3479

35.4768, 0.5418,  
0.3959

91.4734, 0.3255,  
0.3370

■ 31.9463, 0.5655,  
0.3876

100.0000, 0.3127,  
0.3290

■ 31.2654, 0.5702,  
0.3855

# Harmonies

## Analogous

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



56.8204, 0.4130, 0.3394



56.8204, 0.4186, 0.3811



56.8204, 0.3937, 0.4146

# Triad

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



56.8204, 0.4186, 0.3811



56.8204, 0.2492, 0.3590



56.8204, 0.2715, 0.2468

# Complementary

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



56.8204, 0.4186, 0.3811



55.8639, 0.2380, 0.2683

# 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.



56.8204, 0.2338, 0.2457



56.8204, 0.4186, 0.3811



56.8204, 0.2216, 0.3052

# Square

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



56.8204, 0.4186, 0.3811



56.8204, 0.2950, 0.4068



56.8204, 0.2164, 0.2651



56.8204, 0.3238, 0.2658



# Rectangle

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



56.8204, 0.4186, 0.3811



56.8204, 0.3647, 0.4261



56.8204, 0.2164, 0.2651



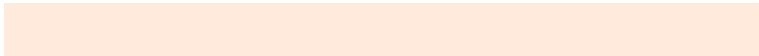
56.8204, 0.2569, 0.2443

# Sweetspot

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



56.8197, 0.4186, 0.3811



85.1976, 0.3367, 0.3436



42.4980, 0.3644, 0.2548



17.7827, 0.3408, 0.3460



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.



56.8197, 0.4186, 0.3811



50.8382, 0.4465, 0.3896



86.9341, 0.3887, 0.4362



19.2097, 0.3284, 0.3388



16.6131, 0.5673, 0.3878



1.8262, 0.5467, 0.4041



# Inverse Universe

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



55.8639, 0.2380, 0.2683



49.7332, 0.2251, 0.2542



32.5148, 0.2237, 0.1921



19.1598, 0.2979, 0.3190



15.5518, 0.1857, 0.1885



1.7294, 0.1906, 0.2061



# Previews

## White Background



This preview shows how the Yxy color 56.8204, 0.4186, 0.3811 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

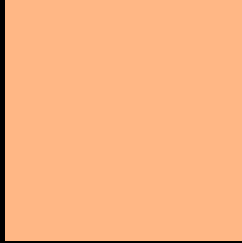
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.8204, 0.4186, 0.3811 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

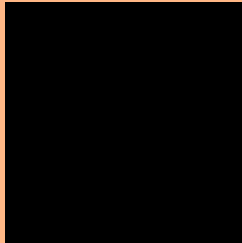
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.8204, 0.4186, 0.3811**

## Background



This preview shows how black text looks on a background with the Yxy color 56.8204, 0.4186, 0.3811.



This preview shows how white text looks on a background with the Yxy color 56.8204, 0.4186, 0.3811.

# 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

56.8204, 0.4186, 0.3811

### Protanopia

57.1874, 0.3708, 0.3988

### Deuteranopia

56.8436, 0.4019, 0.3927



## Tritanopia

56.8185, 0.3703, 0.3166

# Trichromacy



**Original Color**

56.8204, 0.4186, 0.3811

**Protanomaly**

56.7691, 0.3887, 0.3925

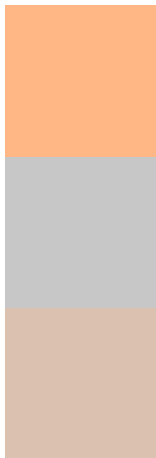
**Deuteranomaly**

56.6191, 0.4086, 0.3883

**Tritanomaly**

56.7671, 0.3886, 0.3408

# Monochromacy



**Original Color**

56.8204, 0.4186, 0.3811

**Achromatopsia**

57.1125, 0.3127, 0.3290

**Achromatomaly**

56.2951, 0.3484, 0.3501

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.8204, 0.4186, 0.3811 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, 183, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 133)  
}
```

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, 183, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 56.8204, 0.4186, 0.3811 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, 183, 133) }
```

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

```
.border{ border-color:rgb(255, 183, 133) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 183, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.8204, 0.4186, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 183, 133) }
```

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

```
.background{ background-color: rgb(255,  
183, 133) }
```

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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