

# Converting Colors

$Y_{xy}(56.1640, 0.4277, 0.3905)$

Have a look what the booklet for  
Yxy(56.1640, 0.4277, 0.3905)  
contains.

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# Color

**Yxy(56.1210, 0.4281, 0.3908)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB67A
RGB	255, 182, 122
RGB Percent	100%, 71%, 48%
CMY	0.0001, 0.2862, 0.5215
CMYK	0.00, 0.29, 0.52, 0.00
HSL	27°, 100%, 74%
HSV	27°, 52%, 100%
XYZ	61.4775, 56.1210, 26.0069
YIQ	196.9870, 62.7680, -3.1840

# Conversions

## Conversions Part 2

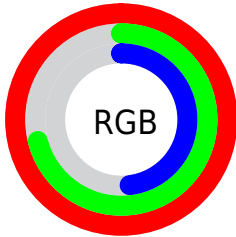
Format	Color
R <sub>Y</sub> B	255, 231, 122
Decimal	16758394
CIE Lab	79.68, 19.99, 40.88
CIE LCh	80, 45.503, 63.947
Yxy	56.1210, 0.4281, 0.3908
Android (android.graphics.Color)	4294948474 (0xFFFFB67A)
YUV	196.9870, -36.9686, 50.8774
Hunter-Lab	74.9140, 15.3851, 31.8568

# Details

The Yxy color **56.1210, 0.4281, 0.3908** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **50.3799, 0.2304, 0.2546**, and the grayscale version is **56.0274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5042, 0.3650, 0.3924**, and **27.7705, 0.4561, 0.4017** is the 20% darker color. If you saturate the color by 10%, you get **50.1239, 0.4578, 0.3999**, and if you desaturate by 10%, it is **62.8622, 0.4003, 0.3796**.

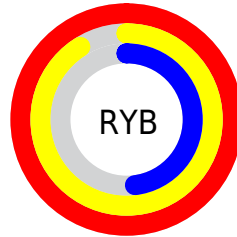
# Distribution



Red (100%)

Green (71%)

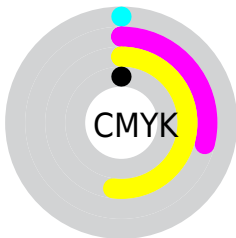
Blue (48%)



Red (100%)

Yellow (91%)

Blue (48%)

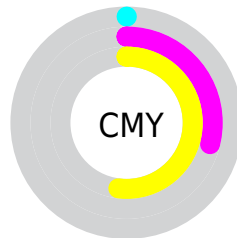


Cyan (0%)

Magenta (29%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.1210, 0.4281, 0.3908 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 56.1210, 0.4281, 0.3908 by changing the saturation by 10% instead.




 56.1210, 0.4281,  
0.3908


 56.1210, 0.4281,  
0.3908


410.1473, 0.3727,  
0.3641


 40.2999, 0.4409,  
0.3960

 99.1815, 0.4087,  
0.3822

 27.7725, 0.4565,  
0.4018


 127.1897, 0.4012,  
0.3786

 18.1542, 0.4760,  
0.4081


 160.0291, 0.3947,  
0.3755

 11.0608, 0.5004,  
0.4142

198.0840, 0.3891,  
0.3727

 6.1077, 0.5319,  
0.4187

241.7389, 0.3843,  
0.3702

 2.9107, 0.5783,  
0.4217

291.3782, 0.3799,

 1.0853, 0.6099,

0.3680

0.3901

347.3862, 0.3761,  
0.3660

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

56.1210, 0.4281,  
0.3908

56.1210, 0.4281,  
0.3908

50.1239, 0.4578,  
0.3999

62.8622, 0.4003,  
0.3796

44.8325, 0.4879,  
0.4056

70.3671, 0.3750,  
0.3674

40.2169, 0.5166,  
0.4065

78.6645, 0.3526,  
0.3550

36.2401, 0.5416,  
0.4020

87.7791, 0.3330,  
0.3429

■ 33.5320, 0.5581,  
0.3951

■ 97.7346, 0.3161,  
0.3314

99.9974, 0.3127,  
0.3290

# Harmonies

## Analogous

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



56.1210, 0.4269, 0.3454



56.1210, 0.4281, 0.3908



56.1210, 0.3964, 0.4267

# Triad

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



56.1210, 0.4281, 0.3908



56.1210, 0.2374, 0.3544



56.1210, 0.2735, 0.2405

# Complementary

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



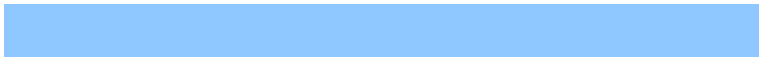
56.1210, 0.4281, 0.3908



50.3799, 0.2304, 0.2546

# 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.



56.1210, 0.2299, 0.2364



56.1210, 0.4281, 0.3908



56.1210, 0.2105, 0.2953

# Square

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



56.1210, 0.4281, 0.3908



56.1210, 0.2855, 0.4108



56.1210, 0.2081, 0.2542



56.1210, 0.3324, 0.2634



# Rectangle

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



56.1210, 0.4281, 0.3908



56.1210, 0.3627, 0.4378



56.1210, 0.2081, 0.2542



56.1210, 0.2568, 0.2369

# Sweetspot

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



56.1238, 0.4281, 0.3908



84.1826, 0.3402, 0.3475



39.1255, 0.3785, 0.2551



17.6165, 0.3443, 0.3500



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.



56.1238, 0.4281, 0.3908



49.6534, 0.4603, 0.4005



90.0052, 0.3919, 0.4498



19.3369, 0.3283, 0.3398



17.8120, 0.5553, 0.3973



1.9489, 0.5360, 0.4126



# Inverse Universe

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



50.3799, 0.2304, 0.2546



43.2833, 0.2152, 0.2356



26.9679, 0.2133, 0.1698



19.0303, 0.2979, 0.3180



13.8660, 0.1817, 0.1740



1.5685, 0.1870, 0.1931



# Previews

## White Background



This preview shows how the Yxy color 56.1210, 0.4281, 0.3908 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 56.1210, 0.4281, 0.3908 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

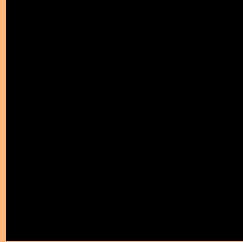
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.1210, 0.4281, 0.3908**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.1210, 0.4281, 0.3908.



This preview shows how white text looks on a background with the Yxy color 56.1210, 0.4281, 0.3908.

# 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

56.1210, 0.4281, 0.3908

### Protanopia

56.3938, 0.3802, 0.4114

### Deuteranopia

56.3009, 0.4119, 0.4027



## Tritanopia

55.9415, 0.3726, 0.3166

# Trichromacy



**Original Color**

56.1210, 0.4281, 0.3908

**Protanomaly**

56.0286, 0.3977, 0.4033

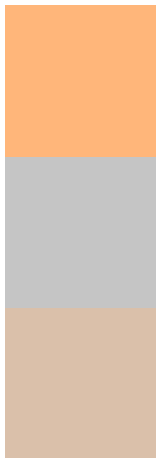
**Deuteranomaly**

55.9108, 0.4180, 0.3983

**Tritanomaly**

55.7811, 0.3938, 0.3440

# Monochromacy



**Original Color**

56.1210, 0.4281, 0.3908

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

55.5070, 0.3518, 0.3550

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.1210, 0.4281, 0.3908 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, 182, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 122)  
}
```

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, 182, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 56.1210, 0.4281, 0.3908 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, 182, 122) }
```

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

```
.border{ border-color:rgb(255, 182, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 182, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.1210, 0.4281, 0.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 122) }
```

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

```
.background{ background-color: rgb(255,  
182, 122) }
```

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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