

# Converting Colors

$Yxy(80.4446, 0.4728, 0.3547)$

Have a look what the booklet for  
Yxy(80.4446, 0.4728, 0.3547)  
contains.

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# Color

**Yxy(58.1923, 0.4024, 0.3649)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB997
RGB	255, 185, 151
RGB Percent	100%, 73%, 59%
CMY	0.0000, 0.2745, 0.4080
CMYK	0.00, 0.27, 0.41, 0.00
HSL	20°, 100%, 80%
HSV	20°, 41%, 100%
XYZ	64.1726, 58.1923, 37.1098
YIQ	202.0540, 52.6340, 4.2660

# Conversions

## Conversions Part 2

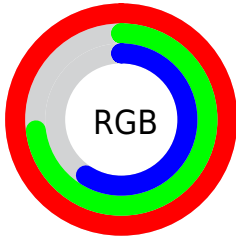
Format	Color
R <sub>Y</sub> B	255, 202, 151
Decimal	16759191
CIE Lab	80.85, 21.20, 27.27
CIE LCh	81, 34.543, 52.139
Yxy	58.1923, 0.4024, 0.3649
Android (android.graphics.Color)	4294949271 (0xFFFFB997)
YUV	202.0540, -25.1696, 46.4336
Hunter-Lab	76.2839, 16.6635, 24.5560

# Details

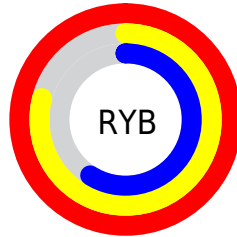
The Yxy color **58.1923, 0.4024, 0.3649** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **65.4815, 0.2502, 0.2892**, and the grayscale version is **59.2332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5784, 0.3449, 0.3649**, and **29.1584, 0.4249, 0.3719** is the 20% darker color. If you saturate the color by 10%, you get **50.7041, 0.4338, 0.3731**, and if you desaturate by 10%, it is **66.7306, 0.3748, 0.3559**.

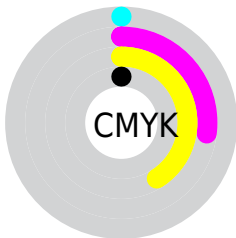
# Distribution



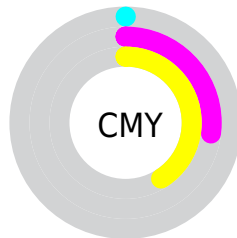
- Red (100%)
- Green (73%)
- Blue (59%)



- Red (100%)
- Yellow (79%)
- Blue (59%)



- Cyan (0%)
- Magenta (27%)
- Yellow (41%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1923, 0.4024, 0.3649 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 58.1923, 0.4024, 0.3649 by changing the saturation by 10% instead.




 58.1923, 0.4024,  
0.3649


 58.1923, 0.4024,  
0.3649


417.9021, 0.3590,  
0.3493

 41.9633, 0.4127,  
0.3681


 102.2028, 0.3870,  
0.3598

 29.0725, 0.4256,  
0.3717


 130.7531, 0.3811,  
0.3577

 19.1357, 0.4421,  
0.3759


164.1793, 0.3761,  
0.3559

 11.7684, 0.4638,  
0.3804

202.8657, 0.3717,  
0.3543

 6.5862, 0.4935,  
0.3848

247.1969, 0.3679,  
0.3528

 3.2047, 0.5379,  
0.3886

297.5570, 0.3646,

 1.2395, 0.6116,

0.3515

0.3884

354.3306, 0.3616,  
0.3504

0.0936, 0.8663,  
0.1337

0.0000, 0.0000,  
0.0000

58.1923, 0.4024,  
0.3649

58.1923, 0.4024,  
0.3649

50.7041, 0.4338,  
0.3731

66.7306, 0.3748,  
0.3559

44.2162, 0.4684,  
0.3796

76.3514, 0.3511,  
0.3468

38.6856, 0.5046,  
0.3831

87.0946, 0.3310,  
0.3379

34.0627, 0.5397,  
0.3823

98.9961, 0.3140,  
0.3296

■ 30.2924, 0.5704,  
0.3766

100.0000, 0.3127,  
0.3290

■ 27.5166, 0.5927,  
0.3676

# Harmonies

## Analogous

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



58.1923, 0.3902, 0.3290



58.1923, 0.4024, 0.3649



58.1923, 0.3885, 0.3952

# Triad

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



58.1923, 0.4024, 0.3649



58.1923, 0.2689, 0.3657



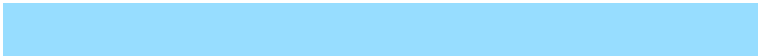
58.1923, 0.2683, 0.2574

# Complementary

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



58.1923, 0.4024, 0.3649



65.4815, 0.2502, 0.2892

# 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.



58.1923, 0.2402, 0.2615



58.1923, 0.4024, 0.3649



58.1923, 0.2404, 0.3213

# Square

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



58.1923, 0.4024, 0.3649



58.1923, 0.3104, 0.3999



58.1923, 0.2305, 0.2835



58.1923, 0.3100, 0.2697



# Rectangle

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



58.1923, 0.4024, 0.3649



58.1923, 0.3674, 0.4074



58.1923, 0.2305, 0.2835



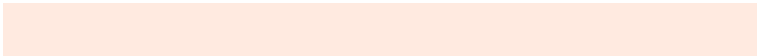
58.1923, 0.2571, 0.2569

# Sweetspot

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



58.1948, 0.4024, 0.3649



85.7456, 0.3332, 0.3390



48.6566, 0.3461, 0.2571



18.0427, 0.3357, 0.3401



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.



58.1948, 0.4024, 0.3649



51.9776, 0.4279, 0.3717



83.4412, 0.3810, 0.4140



18.9579, 0.3286, 0.3368



14.6188, 0.5897, 0.3699



1.6130, 0.5677, 0.3874



# Inverse Universe

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



65.4815, 0.2502, 0.2892



60.1168, 0.2388, 0.2797



42.5571, 0.2401, 0.2261



19.4205, 0.2980, 0.3210



19.3831, 0.1939, 0.2181



2.0868, 0.1978, 0.2322



# Previews

## White Background



This preview shows how the Yxy color 58.1923, 0.4024, 0.3649 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

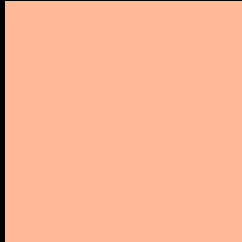
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.1923, 0.4024, 0.3649 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 58.1923, 0.4024, 0.3649**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.1923, 0.4024, 0.3649.



This preview shows how white text looks on a background with the Yxy color 58.1923, 0.4024, 0.3649.

# 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

58.1923, 0.4024, 0.3649

### Protanopia

58.5381, 0.3556, 0.3799

### Deuteranopia

58.3144, 0.3851, 0.3779



## Tritanopia

58.2028, 0.3660, 0.3156

# Trichromacy



## Original Color

58.1923, 0.4024, 0.3649

## Protanomaly

58.0548, 0.3726, 0.3746

## Deuteranomaly

58.2620, 0.3916, 0.3726

## Tritanomaly

57.9302, 0.3799, 0.3334

# Monochromacy



## Original Color

58.1923, 0.4024, 0.3649

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

58.2709, 0.3431, 0.3441

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.1923, 0.4024, 0.3649 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, 185, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 151)  
}
```

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, 185, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 58.1923, 0.4024, 0.3649 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, 185, 151) }
```

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

```
.border{ border-color:rgb(255, 185, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 185, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 185, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 185, 151); box-shadow:4px 4px 4px 4px rgb(255, 185, 151) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.1923, 0.4024, 0.3649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 151) }
```

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

```
.background{ background-color: rgb(255,  
185, 151) }
```

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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