

# Converting Colors

$Y_{xy}(60.0205, 0.3895, 0.3325)$

Have a look what the booklet for  
Yxy(60.0205, 0.3895, 0.3325)  
contains.

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# Color

**Yxy(57.9302, 0.3799, 0.3334)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB6B2
RGB	255, 182, 178
RGB Percent	100%, 71%, 70%
CMY	0.0000, 0.2863, 0.3020
CMYK	0.00, 0.29, 0.30, 0.00
HSL	3°, 100%, 85%
HSV	3°, 30%, 100%
XYZ	66.0098, 57.9302, 49.8158
YIQ	203.3710, 44.7920, 14.2320

# Conversions

## Conversions Part 2

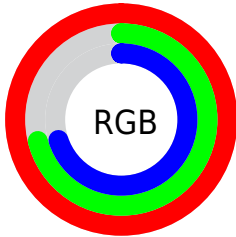
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 182, 178
Decimal	16758450
CIE Lab	80.70, 25.98, 12.61
CIE LCh	81, 28.876, 25.901
Yxy	57.9302, 0.3799, 0.3334
Android (android.graphics.Color)	4294948530 (0xFFFFB6B2)
YUV	203.3710, -12.5079, 45.2786
Hunter-Lab	76.1119, 21.6126, 14.4726

# Details

The Yxy color **57.9302, 0.3799, 0.3334** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **85.6743, 0.2686, 0.3245**, and the grayscale version is **60.0220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3496, 0.3266, 0.3330**, and **29.0515, 0.3983, 0.3346** is the 20% darker color. If you saturate the color by 10%, you get **47.9362, 0.4132, 0.3349**, and if you desaturate by 10%, it is **69.8193, 0.3526, 0.3319**.

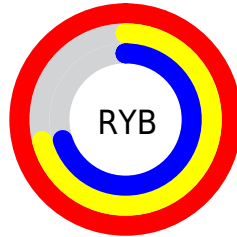
# Distribution



Red (100%)

Green (71%)

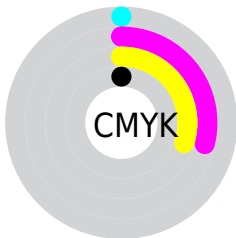
Blue (70%)



Red (100%)

Yellow (71%)

Blue (70%)

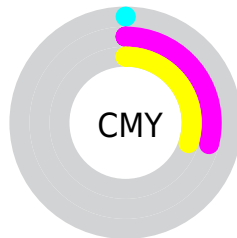


Cyan (0%)

Magenta (29%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.9302, 0.3799, 0.3334 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 57.9302, 0.3799, 0.3334 by changing the saturation by 10% instead.





 57.9302, 0.3799,  
0.3334

 57.9302, 0.3799,  
0.3334


416.9258, 0.3472,  
0.3321

 41.7525, 0.3878,  
0.3335


 101.8212, 0.3682,  
0.3331

 28.9076, 0.3977,  
0.3335


130.3033, 0.3638,  
0.3329

 19.0109, 0.4106,  
0.3333


163.6558, 0.3600,  
0.3328

 11.6782, 0.4281,  
0.3326

202.2628, 0.3567,  
0.3326

 6.5249, 0.4528,  
0.3310

246.5090, 0.3539,  
0.3325

 3.1668, 0.4903,  
0.3269

296.7786, 0.3514,

 1.2194, 0.5674,

0.3323

0.3242

353.4561, 0.3492,  
0.3322

0.0775, 0.9013,  
0.0987

0.0000, 0.0000,  
0.0000

57.9302, 0.3799,  
0.3334

57.9302, 0.3799,  
0.3334

47.9362, 0.4132,  
0.3349

69.8193, 0.3526,  
0.3319

39.7453, 0.4530,  
0.3362

83.7011, 0.3307,  
0.3304

33.2482, 0.4981,  
0.3370

99.6588, 0.3130,  
0.3290

28.3263, 0.5452,  
0.3371

100.0000, 0.3127,  
0.3290

■ 24.8457, 0.5885,  
0.3361

■ 22.6505, 0.6206,  
0.3341

■ 21.5547, 0.6375,  
0.3320

# Harmonies

## Analogous

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



57.9302, 0.3529, 0.3038



57.9302, 0.3799, 0.3334



57.9302, 0.3875, 0.3636

# Triad

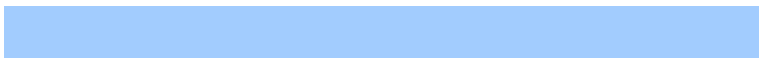
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



57.9302, 0.3799, 0.3334



57.9302, 0.3065, 0.3850



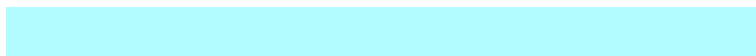
57.9302, 0.2536, 0.2708

# Complementary

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



57.9302, 0.3799, 0.3334



85.6743, 0.2686, 0.3245

# 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.



57.9302, 0.2431, 0.2880



57.9302, 0.3799, 0.3334



57.9302, 0.2723, 0.3552

# Square

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



57.9302, 0.3799, 0.3334



57.9302, 0.3437, 0.3965



57.9302, 0.2497, 0.3186



57.9302, 0.2794, 0.2688



# Rectangle

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



57.9302, 0.3799, 0.3334



57.9302, 0.3805, 0.3807



57.9302, 0.2497, 0.3186



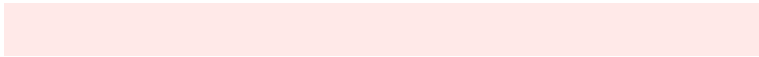
57.9302, 0.2483, 0.2749

# Sweetspot

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



57.9280, 0.3799, 0.3334



85.5050, 0.3284, 0.3302



60.0711, 0.3192, 0.2570



17.8343, 0.3312, 0.3304



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.



57.9280, 0.3799, 0.3334



51.9077, 0.3984, 0.3343



75.8418, 0.3682, 0.3725



18.1385, 0.3293, 0.3303



11.3248, 0.6365, 0.3328



1.1536, 0.6281, 0.3395

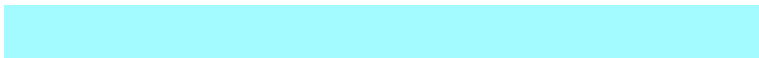


# Inverse Universe

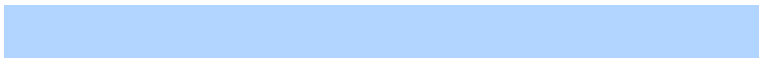
The Inverse Universe completely reimagines the original color for something new.



85.6743, 0.2686, 0.3245



83.5385, 0.2613, 0.3236



64.0935, 0.2636, 0.2811



20.3099, 0.2980, 0.3277



36.9429, 0.2202, 0.3127

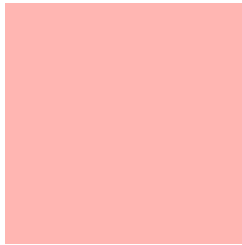


3.6447, 0.2207, 0.3146



# Previews

## White Background



This preview shows how the Yxy color 57.9302, 0.3799, 0.3334 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

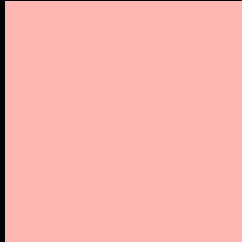
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.9302, 0.3799, 0.3334 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 57.9302, 0.3799, 0.3334**

## Background



This preview shows how black text looks on a background with the Yxy color 57.9302, 0.3799, 0.3334.

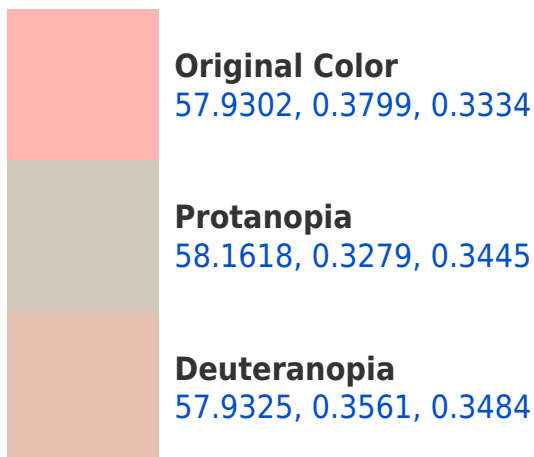


This preview shows how white text looks on a background with the Yxy color 57.9302, 0.3799, 0.3334.

# 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

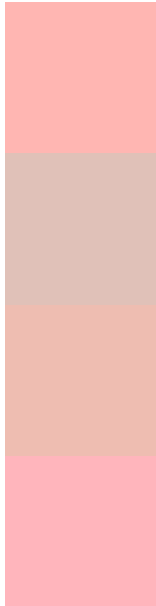




## Tritanopia

57.7976, 0.3663, 0.3146

# Trichromacy



## Original Color

57.9302, 0.3799, 0.3334

## Protanomaly

57.4479, 0.3454, 0.3394

## Deuteranomaly

57.7467, 0.3640, 0.3424

## Tritanomaly

57.9386, 0.3713, 0.3219

# Monochromacy



## Original Color

57.9302, 0.3799, 0.3334

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

58.4549, 0.3354, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.9302, 0.3799, 0.3334 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 57.9302, 0.3799, 0.3334 is called "border". The border property can be set on classes, ids or directly on the HTML element.

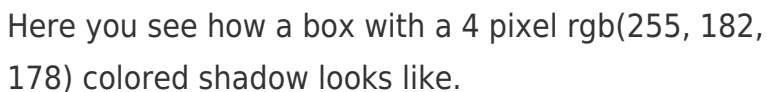
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 182, 178) }
```

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

```
.border{ border-color:rgb(255, 182, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 182, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 182, 178); box-shadow:4px 4px 4px 4px rgb(255, 182, 178) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.9302, 0.3799, 0.3334 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, 178) }
```

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

```
.background{ background-color: rgb(255,  
182, 178) }
```

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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