

# Converting Colors

$Y_{xy}(56.5345, 0.3805, 0.3292)$

Have a look what the booklet for  
Yxy(56.5345, 0.3805, 0.3292)  
contains.

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# Color

**Yxy(56.7549, 0.3799, 0.3292)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB3B3
RGB	255, 179, 179
RGB Percent	100%, 70%, 70%
CMY	0.0000, 0.2980, 0.2980
CMYK	0.00, 0.30, 0.30, 0.00
HSL	0°, 100%, 85%
HSV	0°, 30%, 100%
XYZ	65.4957, 56.7549, 50.1519
YIQ	201.7240, 45.2960, 16.1120

# Conversions

## Conversions Part 2

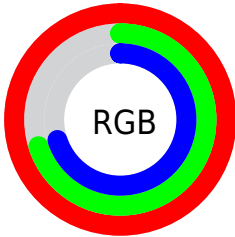
Format	Color
R <sub>Y</sub> B	255, 179, 179
Decimal	16757683
CIE Lab	80.04, 27.66, 11.13
CIE LCh	80, 29.817, 21.923
Yxy	56.7549, 0.3799, 0.3292
Android (android.graphics.Color)	4294947763 (0xFFFFB3B3)
YUV	201.7240, -11.2029, 46.7231
Hunter-Lab	75.3358, 23.3471, 13.2651

# Details

The Yxy color **56.7549, 0.3799, 0.3292** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.3179, 0.2696, 0.3289**, and the grayscale version is **58.9334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6748, 0.3263, 0.3290**, and **28.2984, 0.3985, 0.3293** is the 20% darker color. If you saturate the color by 10%, you get **46.5257, 0.4141, 0.3293**, and if you desaturate by 10%, it is **69.0699, 0.3522, 0.3291**.

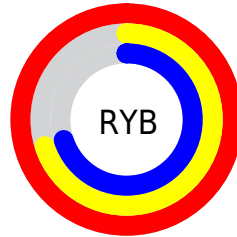
# Distribution



Red (100%)

Green (70%)

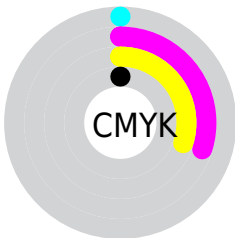
Blue (70%)



Red (100%)

Yellow (70%)

Blue (70%)

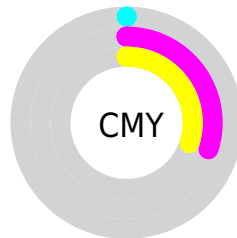


Cyan (0%)

Magenta (30%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (30%)


Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7549, 0.3799, 0.3292 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 56.7549, 0.3799, 0.3292 by changing the saturation by 10% instead.





 56.7549, 0.3799,  
0.3292

 56.7549, 0.3799,  
0.3292


412.5303, 0.3471,  
0.3299

 40.8085, 0.3878,  
0.3288

 100.1075, 0.3682,  
0.3296

 28.1695, 0.3979,  
0.3283

128.2824, 0.3637,  
0.3297

 18.4535, 0.4109,  
0.3273


161.3023, 0.3599,  
0.3298

 11.2760, 0.4286,  
0.3257

199.5516, 0.3566,  
0.3298

 6.2528, 0.4538,  
0.3228

243.4146, 0.3538,  
0.3298

 2.9994, 0.4924,  
0.3168

293.2758, 0.3513,

 1.1314, 0.5712,

0.3299

0.3103

349.5196, 0.3491,  
0.3299

0.0046, 0.9933,  
0.0067

0.0000, 0.0000,  
0.0000

56.7549, 0.3799,  
0.3292

56.7549, 0.3799,  
0.3292

46.5257, 0.4141,  
0.3293

69.0699, 0.3522,  
0.3291

38.2594, 0.4551,  
0.3294

83.5686, 0.3300,  
0.3291

31.8327, 0.5018,  
0.3296

99.9992, 0.3127,  
0.3290

27.1052, 0.5502,  
0.3297

■ 23.9159, 0.5938,  
0.3298

■ 22.0735, 0.6247,  
0.3299

■ 21.2716, 0.6398,  
0.3300

■ 21.2595, 0.6401,  
0.3300

# Harmonies

## Analogous

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



56.7549, 0.3497, 0.2992



56.7549, 0.3799, 0.3292



56.7549, 0.3907, 0.3609

# Triad

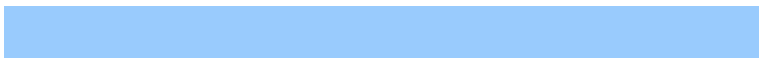
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.7549, 0.3799, 0.3292



56.7549, 0.3113, 0.3902



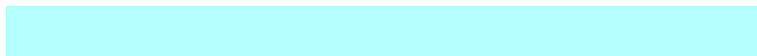
56.7549, 0.2490, 0.2700

# Complementary

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



56.7549, 0.3799, 0.3292



88.3179, 0.2696, 0.3289

# 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.



56.7549, 0.2404, 0.2899



56.7549, 0.3799, 0.3292



56.7549, 0.2749, 0.3611

# Square

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



56.7549, 0.3799, 0.3292



56.7549, 0.3496, 0.3992



56.7549, 0.2495, 0.3230



56.7549, 0.2737, 0.2660



# Rectangle

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



56.7549, 0.3799, 0.3292



56.7549, 0.3854, 0.3794



56.7549, 0.2495, 0.3230



56.7549, 0.2442, 0.2749

# Sweetspot

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



56.7576, 0.3799, 0.3292



84.8312, 0.3285, 0.3290



60.7206, 0.3162, 0.2546



17.6702, 0.3313, 0.3291



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.



56.7576, 0.3799, 0.3292



50.1791, 0.4003, 0.3293



74.1395, 0.3684, 0.3682



17.9873, 0.3295, 0.3291



11.1091, 0.6401, 0.3300



1.0817, 0.6401, 0.3300

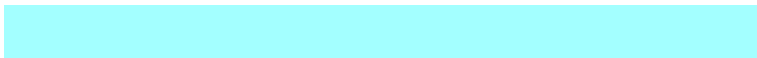


# Inverse Universe

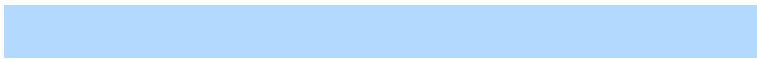
The Inverse Universe completely reimagines the original color for something new.



88.3179, 0.2696, 0.3289



86.5439, 0.2620, 0.3288



66.4294, 0.2648, 0.2862



20.4813, 0.2980, 0.3290



41.1380, 0.2247, 0.3287



4.0055, 0.2247, 0.3287



# Previews

## White Background



This preview shows how the Yxy color 56.7549, 0.3799, 0.3292 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

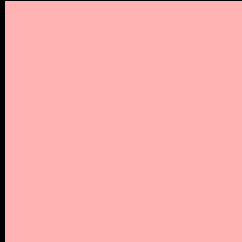
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.7549, 0.3799, 0.3292 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

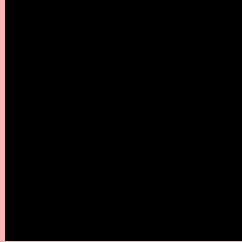
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.7549, 0.3799, 0.3292**

## Background



This preview shows how black text looks on a background with the Yxy color 56.7549, 0.3799, 0.3292.



This preview shows how white text looks on a background with the Yxy color 56.7549, 0.3799, 0.3292.

# 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

56.7549, 0.3799, 0.3292

### Protanopia

57.0414, 0.3250, 0.3398

### Deuteranopia

57.0423, 0.3530, 0.3463



## Tritanopia

56.8624, 0.3694, 0.3156

# Trichromacy



**Original Color**

56.7549, 0.3799, 0.3292

**Protanomaly**

56.4524, 0.3441, 0.3360

**Deuteranomaly**

56.7595, 0.3629, 0.3391

**Tritanomaly**

56.6886, 0.3730, 0.3198

# Monochromacy



**Original Color**

56.7549, 0.3799, 0.3292

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

57.8508, 0.3347, 0.3291

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7549, 0.3799, 0.3292 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, 179, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 179)  
}
```

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, 179, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7549, 0.3799, 0.3292 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, 179, 179) }
```

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

```
.border{ border-color:rgb(255, 179, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 179, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7549, 0.3799, 0.3292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 179) }
```

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

```
.background{ background-color: rgb(255,  
179, 179) }
```

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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