

# Converting Colors

$Y_{xy}(58.2797, 0.3758, 0.3292)$

Have a look what the booklet for  
Yxy(58.2797, 0.3758, 0.3292)  
contains.

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# Color

**Yxy(58.0933, 0.3763, 0.3292)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB6B6
RGB	255, 182, 182
RGB Percent	100%, 71%, 71%
CMY	0.0001, 0.2862, 0.2863
CMYK	0.00, 0.29, 0.29, 0.00
HSL	0°, 100%, 86%
HSV	0°, 29%, 100%
XYZ	66.4049, 58.0933, 51.9699
YIQ	203.8270, 43.5080, 15.4760

# Conversions

## Conversions Part 2

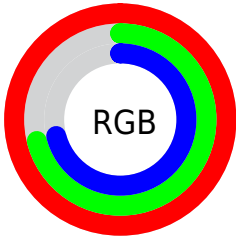
Format	Color
R <sub>Y</sub> B	255, 182, 182
Decimal	16758454
CIE Lab	80.79, 26.47, 10.58
CIE LCh	81, 28.503, 21.789
Yxy	58.0933, 0.3763, 0.3292
Android (android.graphics.Color)	4294948534 (0xFFFFB6B6)
YUV	203.8270, -10.7607, 44.8787
Hunter-Lab	76.2190, 22.1330, 12.9264

# Details

The Yxy color **58.0933, 0.3763, 0.3292** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.6591, 0.2711, 0.3289**, and the grayscale version is **60.3186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5821, 0.3241, 0.3290**, and **29.1558, 0.3934, 0.3292** is the 20% darker color. If you saturate the color by 10%, you get **47.6265, 0.4097, 0.3293**, and if you desaturate by 10%, it is **70.6581, 0.3493, 0.3291**.

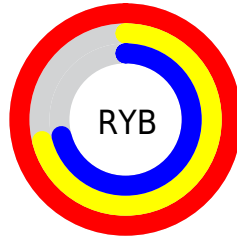
# Distribution



Red (100%)

Green (71%)

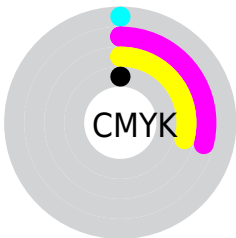
Blue (71%)



Red (100%)

Yellow (71%)

Blue (71%)

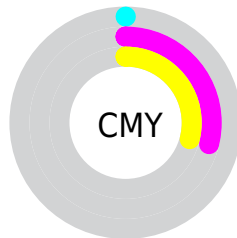


Cyan (0%)

Magenta (29%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0933, 0.3763, 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 58.0933, 0.3763, 0.3292 by changing the saturation by 10% instead.





 58.0933, 0.3763,  
0.3292

 58.0933, 0.3763,  
0.3292

417.5335, 0.3454,  
0.3298

 41.8837, 0.3837,  
0.3289

 102.0587, 0.3653,  
0.3295

 29.0102, 0.3931,  
0.3284


130.5833, 0.3611,  
0.3296

 19.0885, 0.4053,  
0.3276


163.9816, 0.3575,  
0.3297

 11.7343, 0.4218,  
0.3262

202.6381, 0.3544,  
0.3297

 6.5630, 0.4453,  
0.3236

246.9371, 0.3517,  
0.3298

 3.1903, 0.4810,  
0.3185


297.2631, 0.3493,

 1.2319, 0.5481,


0.3298


0.3105


354.0004, 0.3473,  
0.3298


 0.0875, 0.8928,  
0.1072


 0.0000, 0.0000,  
0.0000


 58.0933, 0.3763,  
0.3292


 58.0933, 0.3763,  
0.3292

 47.6265, 0.4097,  
0.3293


 70.6581, 0.3493,  
0.3291

 39.1358, 0.4499,  
0.3294

 85.4177, 0.3277,  
0.3291

 32.4995, 0.4960,  
0.3296

99.9955, 0.3127,  
0.3290

 27.5792, 0.5446,  
0.3297

■ 24.2170, 0.5891,  
0.3298

■ 22.2261, 0.6219,  
0.3299

■ 21.3407, 0.6384,  
0.3300

■ 21.2566, 0.6401,  
0.3300

# Harmonies

## Analogous

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



58.0933, 0.3476, 0.3006



58.0933, 0.3763, 0.3292



58.0933, 0.3867, 0.3594

# Triad

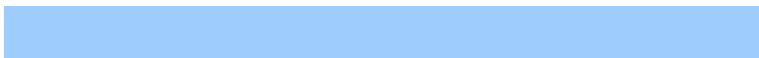
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.0933, 0.3763, 0.3292



58.0933, 0.3117, 0.3869



58.0933, 0.2520, 0.2730

# Complementary

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



58.0933, 0.3763, 0.3292



88.6591, 0.2711, 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.



58.0933, 0.2439, 0.2921



58.0933, 0.3763, 0.3292



58.0933, 0.2770, 0.3595

# Square

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



58.0933, 0.3763, 0.3292



58.0933, 0.3480, 0.3955



58.0933, 0.2527, 0.3236



58.0933, 0.2756, 0.2690



# Rectangle

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



58.0933, 0.3763, 0.3292



58.0933, 0.3817, 0.3770



58.0933, 0.2527, 0.3236



58.0933, 0.2474, 0.2778

# Sweetspot

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



58.0960, 0.3763, 0.3292



84.8331, 0.3285, 0.3291



61.9309, 0.3161, 0.2575



17.6707, 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.



58.0960, 0.3763, 0.3292



52.2211, 0.3934, 0.3293



75.0300, 0.3658, 0.3665



17.9877, 0.3295, 0.3291



11.1097, 0.6401, 0.3300

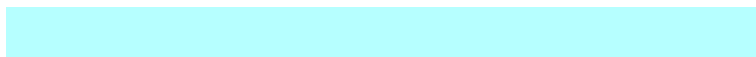


1.0819, 0.6400, 0.3300



# Inverse Universe

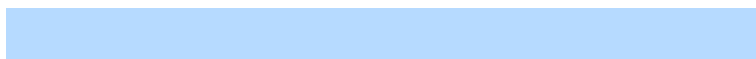
The Inverse Universe completely reimagines the original color for something new.



88.6591, 0.2711, 0.3289



87.0865, 0.2644, 0.3288



67.5608, 0.2668, 0.2882



20.4808, 0.2980, 0.3290



41.1263, 0.2246, 0.3287



4.0045, 0.2246, 0.3287



# Previews

## White Background



This preview shows how the Yxy color 58.0933, 0.3763, 0.3292 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

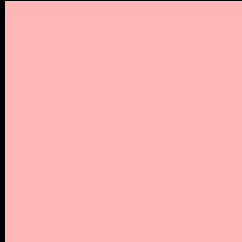
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.0933, 0.3763, 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 58.0933, 0.3763, 0.3292**

## Background



This preview shows how black text looks on a background with the Yxy color 58.0933, 0.3763, 0.3292.



This preview shows how white text looks on a background with the Yxy color 58.0933, 0.3763, 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

58.0933, 0.3763, 0.3292

### Protanopia

58.3797, 0.3241, 0.3385

### Deuteranopia

58.3728, 0.3518, 0.3450



## Tritanopia

58.2028, 0.3660, 0.3156

# Trichromacy



## Original Color

58.0933, 0.3763, 0.3292



## Protanomaly

57.6181, 0.3422, 0.3348



## Deuteranomaly

58.3403, 0.3604, 0.3391



## Tritanomaly

58.0255, 0.3695, 0.3198

# Monochromacy



## Original Color

58.0933, 0.3763, 0.3292



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

59.1534, 0.3345, 0.3291

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.0933, 0.3763, 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, 182, 182)` looks like.

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

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, 182) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 58.0933, 0.3763, 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, 182, 182) }
```

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

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

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, 182)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to Yxy 58.0933, 0.3763, 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, 182, 182) }
```

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

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

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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