

# Converting Colors

Yxy(57.6321, 0.3714, 0.3209)

Have a look what the booklet for  
Yxy(57.6321, 0.3714, 0.3209)  
contains.

<b>Yxy(57.5334, 0.3716, 0.3208)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**Yxy(57.5334, 0.3716, 0.3208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB4BC
RGB	255, 180, 188
RGB Percent	100%, 71%, 74%
CMY	0.0000, 0.2941, 0.2628
CMYK	0.00, 0.29, 0.26, 0.00
HSL	354°, 100%, 85%
HSV	354°, 29%, 100%
XYZ	66.6441, 57.5334, 55.1661
YIQ	203.3370, 42.1320, 18.3880

# Conversions

## Conversions Part 2

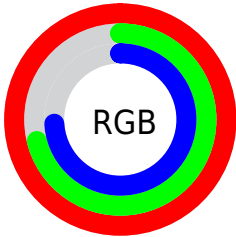
Format	Color
R <sub>Y</sub> B	255, 180, 188
Decimal	16757948
CIE Lab	80.48, 28.34, 6.90
CIE LCh	80, 29.171, 13.685
Yxy	57.5334, 0.3716, 0.3208
Android (android.graphics.Color)	4294948028 (0xFFFFB4BC)
YUV	203.3370, -7.5611, 45.3085
Hunter-Lab	75.8508, 24.0949, 9.9741

# Details

The Yxy color **57.5334, 0.3716, 0.3208** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.9384, 0.2740, 0.3376**, and the grayscale version is **59.9697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7826, 0.3204, 0.3212**, and **28.7983, 0.3869, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **47.2599, 0.4016, 0.3180**, and if you desaturate by 10%, it is **69.8525, 0.3472, 0.3237**.

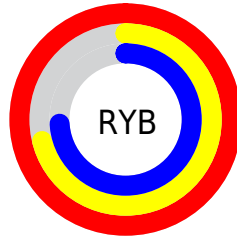
# Distribution



Red (100%)

Green (71%)

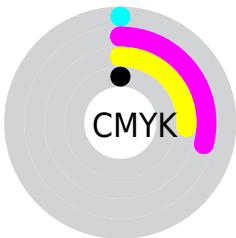
Blue (74%)



Red (100%)

Yellow (71%)

Blue (74%)

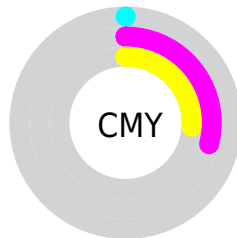


Cyan (0%)

Magenta (29%)

Yellow (26%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.5334, 0.3716, 0.3208 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 57.5334, 0.3716, 0.3208 by changing the saturation by 10% instead.





 57.5334, 0.3716,  
0.3208

 57.5334, 0.3716,  
0.3208

415.4450, 0.3430,  
0.3252

 41.4336, 0.3785,  
0.3196


 101.2431, 0.3614,  
0.3225

 28.6581, 0.3872,  
0.3181


129.6218, 0.3575,  
0.3231

 18.8223, 0.3985,  
0.3159


162.8623, 0.3542,  
0.3236

 11.5420, 0.4138,  
0.3129

201.3489, 0.3513,  
0.3240

 6.4326, 0.4357,  
0.3082

245.4661, 0.3488,  
0.3244

 3.1099, 0.4691,  
0.3002

295.5983, 0.3467,

 1.1894, 0.5275,

0.3247

0.2853

352.1298, 0.3447,  
0.3250

0.0530, 0.9334,  
0.0666

0.0000, 0.0000,  
0.0000

57.5334, 0.3716,  
0.3208

57.5334, 0.3716,  
0.3208

47.2599, 0.4016,  
0.3180

69.8525, 0.3472,  
0.3237

38.9257, 0.4378,  
0.3155

84.3249, 0.3276,  
0.3265

32.4072, 0.4796,  
0.3140

100.0000, 0.3127,  
0.3290

27.5690, 0.5249,  
0.3138

■ 24.2562, 0.5690,  
0.3156

■ 22.2855, 0.6054,  
0.3194

■ 21.3789, 0.6291,  
0.3243

■ 21.3400, 0.6301,  
0.3245

# Harmonies

## Analogous

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



57.5334, 0.3386, 0.2930



57.5334, 0.3716, 0.3208



57.5334, 0.3880, 0.3519

# Triad

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



57.5334, 0.3716, 0.3208



57.5334, 0.3219, 0.3931



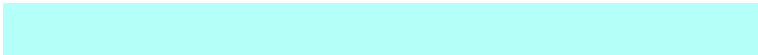
57.5334, 0.2465, 0.2754

# Complementary

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



57.5334, 0.3716, 0.3208



87.9384, 0.2740, 0.3376

# 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.



57.5334, 0.2429, 0.2987



57.5334, 0.3716, 0.3208



57.5334, 0.2849, 0.3694

# Square

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



57.5334, 0.3716, 0.3208



57.5334, 0.3579, 0.3959



57.5334, 0.2564, 0.3334



57.5334, 0.2667, 0.2671



# Rectangle

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



57.5334, 0.3716, 0.3208



57.5334, 0.3868, 0.3712



57.5334, 0.2564, 0.3334



57.5334, 0.2434, 0.2815

# Sweetspot

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



57.5317, 0.3716, 0.3208



84.9705, 0.3269, 0.3266



59.4991, 0.3094, 0.2540



17.7042, 0.3294, 0.3262



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.



57.5317, 0.3716, 0.3208



51.5473, 0.3876, 0.3192



70.0324, 0.3701, 0.3589



18.0185, 0.3278, 0.3265



11.1607, 0.6278, 0.3232



1.0965, 0.6056, 0.3110



# Inverse Universe

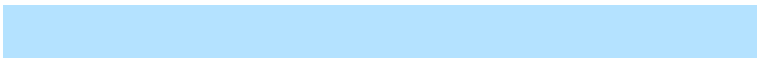
The Inverse Universe completely reimagines the original color for something new.



57.5317, 0.3716, 0.3208



51.5473, 0.3876, 0.3192



71.4509, 0.2666, 0.2970



18.0185, 0.3278, 0.3265



11.1607, 0.6278, 0.3232

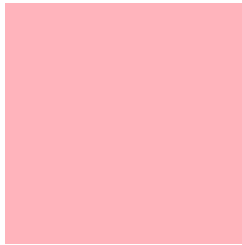


1.0965, 0.6056, 0.3110



# Previews

## White Background



This preview shows how the Yxy color 57.5334, 0.3716, 0.3208 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

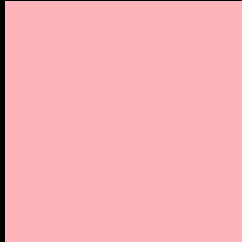
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.5334, 0.3716, 0.3208 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 57.5334, 0.3716, 0.3208**

## Background



This preview shows how black text looks on a background with the Yxy color 57.5334, 0.3716, 0.3208.



This preview shows how white text looks on a background with the Yxy color 57.5334, 0.3716, 0.3208.

# 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

57.5334, 0.3716, 0.3208

### Protanopia

57.8077, 0.3166, 0.3290

### Deuteranopia

57.6927, 0.3446, 0.3371



## Tritanopia

57.3505, 0.3674, 0.3145

# Trichromacy



## Original Color

57.5334, 0.3716, 0.3208

## Protanomaly

57.3274, 0.3359, 0.3257

## Deuteranomaly

57.3872, 0.3542, 0.3302

## Tritanomaly

57.2618, 0.3692, 0.3166

# Monochromacy



## Original Color

57.5334, 0.3716, 0.3208

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

58.6370, 0.3323, 0.3257

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.5334, 0.3716, 0.3208 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, 180, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 188)  
}
```

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, 180, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 57.5334, 0.3716, 0.3208 is called "border". The border property can be set on classes, ids or directly on the HTML element.

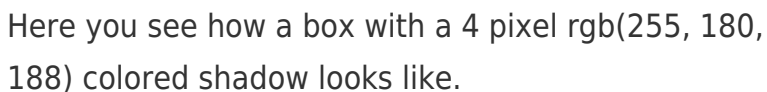
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 180, 188) }
```

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

```
.border{ border-color:rgb(255, 180, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 180, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 180, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 180, 188); box-shadow:4px 4px 4px 4px rgb(255, 180, 188) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.5334, 0.3716, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 188) }
```

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

```
.background{ background-color: rgb(255,  
180, 188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor