

# Converting Colors

$Yxy(58.6973, 0.3617, 0.3114)$

Have a look what the booklet for  
Yxy(58.6973, 0.3617, 0.3114)  
contains.

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# **Color**

**Yxy(58.8394, 0.3614, 0.3115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB6C7
RGB	255, 182, 199
RGB Percent	100%, 71%, 78%
CMY	0.0002, 0.2862, 0.2196
CMYK	0.00, 0.29, 0.22, 0.00
HSL	346°, 100%, 86%
HSV	346°, 29%, 100%
XYZ	68.2650, 58.8394, 61.7861
YIQ	205.7650, 38.0510, 20.7630

# Conversions

## Conversions Part 2

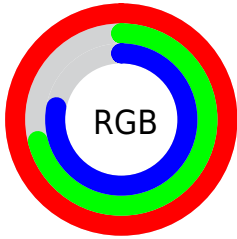
Format	Color
R <sub>Y</sub> B	255, 182, 199
Decimal	16758471
CIE Lab	81.20, 28.79, 2.01
CIE LCh	81, 28.862, 3.998
Yxy	58.8394, 0.3614, 0.3115
Android (android.graphics.Color)	4294948551 (0xFFFFB6C7)
YUV	205.7650, -3.3351, 43.1791
Hunter-Lab	76.7068, 24.6186, 5.9377

# Details

The Yxy color **58.8394, 0.3614, 0.3115** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.6161, 0.2795, 0.3474**, and the grayscale version is **61.5676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6291, 0.3135, 0.3127**, and **29.3530, 0.3744, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **48.4796, 0.3864, 0.3052**, and if you desaturate by 10%, it is **71.2227, 0.3410, 0.3179**.

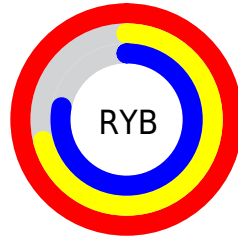
# Distribution



Red (100%)

Green (71%)

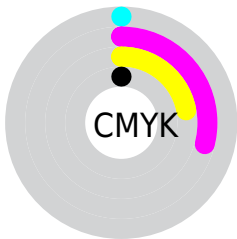
Blue (78%)



Red (100%)

Yellow (71%)

Blue (78%)

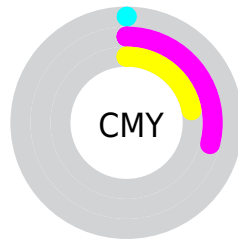


Cyan (0%)

Magenta (29%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8394, 0.3614, 0.3115 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 58.8394, 0.3614, 0.3115 by changing the saturation by 10% instead.




 58.8394, 0.3614,  
0.3115

 58.8394, 0.3614,  
0.3115


420.3065, 0.3379,  
0.3201

 42.4839, 0.3670,  
0.3094


 103.1442, 0.3531,  
0.3146

 29.4803, 0.3740,  
0.3068


131.8623, 0.3499,  
0.3157

 19.4445, 0.3832,  
0.3034


165.4699, 0.3472,  
0.3167

 11.9919, 0.3955,  
0.2987

204.3516, 0.3448,  
0.3176

 6.7382, 0.4129,  
0.2921

248.8917, 0.3428,  
0.3183

 3.2989, 0.4395,  
0.2817


299.4747, 0.3410,


 1.2897, 0.4844,


0.3190


0.2638

356.4848, 0.3394,  
0.3195


 0.1332, 0.8577,  
0.1377


 0.0000, 0.0000,  
0.0000

 58.8394, 0.3614,  
0.3115


 58.8394, 0.3614,  
0.3115

 48.4796, 0.3864,  
0.3052


 71.2227, 0.3410,  
0.3179

 40.0274, 0.4165,  
0.2994

 85.7208, 0.3244,  
0.3240

 33.3678, 0.4516,  
0.2950

99.9926, 0.3127,  
0.3290

 28.3698, 0.4907,  
0.2928

■ 24.8848, 0.5310,  
0.2941

■ 22.7369, 0.5686,  
0.2995

■ 21.6779, 0.5990,  
0.3082

■ 21.5716, 0.6027,  
0.3094

# Harmonies

## Analogous

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



58.8394, 0.3259, 0.2863



58.8394, 0.3614, 0.3115



58.8394, 0.3837, 0.3417

# Triad

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



58.8394, 0.3614, 0.3115



58.8394, 0.3338, 0.3952



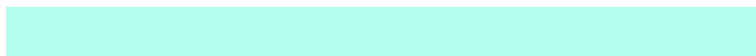
58.8394, 0.2446, 0.2822

# Complementary

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



58.8394, 0.3614, 0.3115



87.6161, 0.2795, 0.3474

# 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.



58.8394, 0.2466, 0.3095



58.8394, 0.3614, 0.3115



58.8394, 0.2966, 0.3781

# Square

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



58.8394, 0.3614, 0.3115



58.8394, 0.3666, 0.3913



58.8394, 0.2651, 0.3453



58.8394, 0.2595, 0.2691



# Rectangle

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



58.8394, 0.3614, 0.3115



58.8394, 0.3872, 0.3617



58.8394, 0.2651, 0.3453



58.8394, 0.2434, 0.2899

# Sweetspot

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



58.8421, 0.3614, 0.3115



85.1385, 0.3250, 0.3238



58.8511, 0.3030, 0.2546



17.7452, 0.3272, 0.3229



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.



58.8421, 0.3614, 0.3115



53.0272, 0.3743, 0.3081



66.6262, 0.3706, 0.3494



18.0563, 0.3258, 0.3235



11.2943, 0.5989, 0.3073



1.1156, 0.5678, 0.2902



# Inverse Universe

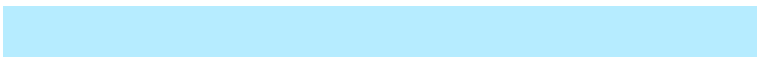
The Inverse Universe completely reimagines the original color for something new.



58.8421, 0.3614, 0.3115



53.0272, 0.3743, 0.3081



76.8757, 0.2688, 0.3076



18.0563, 0.3258, 0.3235



11.2943, 0.5989, 0.3073



1.1156, 0.5678, 0.2902



# Previews

## White Background



This preview shows how the Yxy color 58.8394, 0.3614, 0.3115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

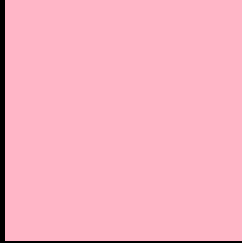
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.8394, 0.3614, 0.3115 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 58.8394, 0.3614, 0.3115**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.8394, 0.3614, 0.3115.



This preview shows how white text looks on a background with the Yxy color 58.8394, 0.3614, 0.3115.

# 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

58.8394, 0.3614, 0.3115

### Protanopia

59.1229, 0.3078, 0.3185

### Deuteranopia

58.9087, 0.3347, 0.3268



## Tritanopia

58.7014, 0.3640, 0.3146

# Trichromacy



## Original Color

58.8394, 0.3614, 0.3115



## Protanomaly

58.5694, 0.3262, 0.3155



## Deuteranomaly

58.5663, 0.3438, 0.3203



## Tritanomaly

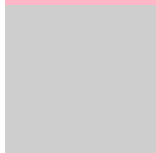
58.7471, 0.3632, 0.3135

# Monochromacy



## Original Color

58.8394, 0.3614, 0.3115



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

60.0916, 0.3298, 0.3223

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.8394, 0.3614, 0.3115 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 58.8394, 0.3614, 0.3115 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, 199) }
```

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

```
.border{ border-color:rgb(255, 182, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.8394, 0.3614, 0.3115 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, 199) }
```

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

```
.background{ background-color: rgb(255,  
182, 199) }
```

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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