

# Converting Colors

$Y_{xy}(58.3349, 0.3638, 0.3131)$

Have a look what the booklet for  
Yxy(58.3349, 0.3638, 0.3131)  
contains.

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# Color

**Yxy(58.2933, 0.3643, 0.3135)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB5C4
RGB	255, 181, 196
RGB Percent	100%, 71%, 77%
CMY	0.0000, 0.2902, 0.2313
CMYK	0.00, 0.29, 0.23, 0.00
HSL	348°, 100%, 85%
HSV	348°, 29%, 100%
XYZ	67.7392, 58.2933, 59.9110
YIQ	204.8360, 39.2890, 20.3530

# Conversions

## Conversions Part 2

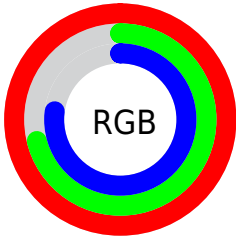
Format	Color
R <sub>Y</sub> B	255, 181, 196
Decimal	16758212
CIE Lab	80.90, 28.94, 3.18
CIE LCh	81, 29.115, 6.279
Yxy	58.2933, 0.3643, 0.3135
Android (android.graphics.Color)	4294948292 (0xFFFFB5C4)
YUV	204.8360, -4.3561, 43.9938
Hunter-Lab	76.3500, 24.7560, 6.9209

# Details

The Yxy color **58.2933, 0.3643, 0.3135** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.6321, 0.2779, 0.3453**, and the grayscale version is **60.9449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9202, 0.3148, 0.3136**, and **29.0021, 0.3784, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **47.9873, 0.3905, 0.3080**, and if you desaturate by 10%, it is **70.6126, 0.3428, 0.3191**.

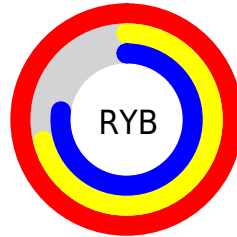
# Distribution



Red (100%)

Green (71%)

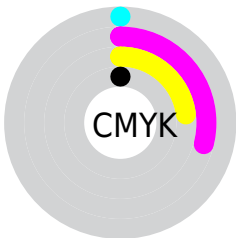
Blue (77%)



Red (100%)

Yellow (71%)

Blue (77%)

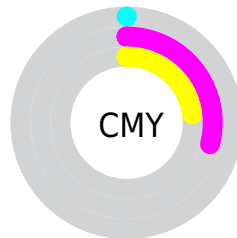


Cyan (0%)

Magenta (29%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2933, 0.3643, 0.3135 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 58.2933, 0.3643, 0.3135 by changing the saturation by 10% instead.




 58.2933, 0.3643,  
0.3135

 58.2933, 0.3643,  
0.3135


418.2779, 0.3394,  
0.3212

 42.0445, 0.3703,  
0.3116


 102.3498, 0.3554,  
0.3163

 29.1361, 0.3778,  
0.3092


130.9264, 0.3520,  
0.3173

 19.1838, 0.3876,  
0.3061


164.3809, 0.3492,  
0.3182

 11.8032, 0.4007,  
0.3017

203.0979, 0.3467,  
0.3190

 6.6098, 0.4195,  
0.2954

247.4617, 0.3445,  
0.3196

 3.2193, 0.4480,  
0.2855


297.8567, 0.3426,

 1.2473, 0.4966,


0.3202


0.2678


354.6673, 0.3409,  
0.3207


 0.0998, 0.8892,  
0.1108


 0.0000, 0.0000,  
0.0000

 58.2933, 0.3643,  
0.3135


 58.2933, 0.3643,  
0.3135

 47.9873, 0.3905,  
0.3080


 70.6126, 0.3428,  
0.3191

 39.6005, 0.4222,  
0.3030

 85.0604, 0.3255,  
0.3244

 33.0093, 0.4590,  
0.2994

100.0000, 0.3127,  
0.3290

 28.0813, 0.4998,  
0.2979

■ 24.6660, 0.5414,  
0.2996

■ 22.5852, 0.5791,  
0.3049

■ 21.5779, 0.6084,  
0.3131

■ 21.5058, 0.6108,  
0.3138

# Harmonies

## Analogous

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



58.2933, 0.3290, 0.2875



58.2933, 0.3643, 0.3135



58.2933, 0.3854, 0.3442

# Triad

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



58.2933, 0.3643, 0.3135



58.2933, 0.3312, 0.3954



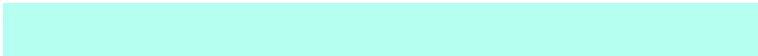
58.2933, 0.2444, 0.2801

# Complementary

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



58.2933, 0.3643, 0.3135



87.6321, 0.2779, 0.3453

# 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.



58.2933, 0.2451, 0.3067



58.2933, 0.3643, 0.3135



58.2933, 0.2937, 0.3766

# Square

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



58.2933, 0.3643, 0.3135



58.2933, 0.3651, 0.3930



58.2933, 0.2626, 0.3426



58.2933, 0.2606, 0.2680



# Rectangle

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



58.2933, 0.3643, 0.3135



58.2933, 0.3879, 0.3642



58.2933, 0.2626, 0.3426



58.2933, 0.2427, 0.2875

# Sweetspot

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



58.2884, 0.3643, 0.3135



85.0988, 0.3254, 0.3245



58.6069, 0.3037, 0.2537



17.7355, 0.3277, 0.3237



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.



58.2884, 0.3643, 0.3135



51.8967, 0.3793, 0.3102



66.8167, 0.3713, 0.3510



18.0474, 0.3262, 0.3242



11.2541, 0.6072, 0.3119



1.1105, 0.5773, 0.2954



# Inverse Universe

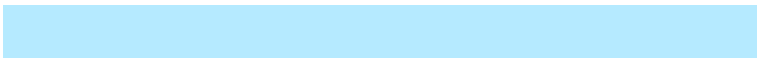
The Inverse Universe completely reimagines the original color for something new.



58.2884, 0.3643, 0.3135



51.8967, 0.3793, 0.3102



75.9047, 0.2681, 0.3058



18.0474, 0.3262, 0.3242



11.2541, 0.6072, 0.3119



1.1105, 0.5773, 0.2954



# Previews

## White Background



This preview shows how the Yxy color 58.2933, 0.3643, 0.3135 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 58.2933, 0.3643, 0.3135 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 58.2933, 0.3643, 0.3135**

## Background



This preview shows how black text looks on a background with the Yxy color 58.2933, 0.3643, 0.3135.



This preview shows how white text looks on a background with the Yxy color 58.2933, 0.3643, 0.3135.

# 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

58.2933, 0.3643, 0.3135

### Protanopia

58.5101, 0.3100, 0.3208

### Deuteranopia

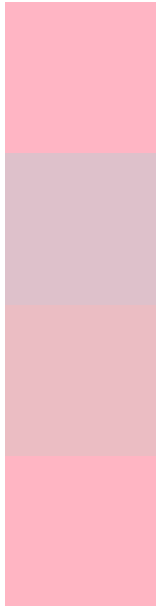
58.3259, 0.3372, 0.3291



## Tritanopia

58.2479, 0.3651, 0.3146

# Trichromacy



## Original Color

58.2933, 0.3643, 0.3135

## Protanomaly

57.9813, 0.3286, 0.3177

## Deuteranomaly

57.9975, 0.3465, 0.3225

## Tritanomaly

58.2479, 0.3651, 0.3146

# Monochromacy



## Original Color

58.2933, 0.3643, 0.3135

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

59.4321, 0.3299, 0.3223

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.2933, 0.3643, 0.3135 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, 181, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 196)  
}
```

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, 181, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 58.2933, 0.3643, 0.3135 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, 181, 196) }
```

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

```
.border{ border-color:rgb(255, 181, 196) }
```

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

Here you see how a box with a 4 pixel rgb(255, 181, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.2933, 0.3643, 0.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 196) }
```

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

```
.background{ background-color: rgb(255,  
181, 196) }
```

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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