

# Converting Colors

$Yxy(58.1596, 0.3491, 0.2925)$

Have a look what the booklet for  
Yxy(58.1596, 0.3491, 0.2925)  
contains.

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# Color

**Yxy(57.9558, 0.3493, 0.2921)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB2D6
RGB	255, 178, 214
RGB Percent	100%, 70%, 84%
CMY	0.0000, 0.3020, 0.1608
CMYK	0.00, 0.30, 0.16, 0.00
HSL	332°, 100%, 85%
HSV	332°, 30%, 100%
XYZ	69.3049, 57.9558, 71.1501
YIQ	205.1270, 34.3360, 27.5200

# Conversions

## Conversions Part 2

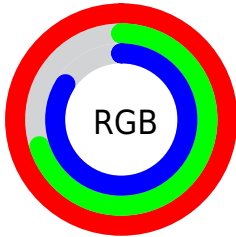
Format	Color
R <sub>Y</sub> B	255, 178, 214
Decimal	16757462
CIE Lab	80.71, 33.16, -6.81
CIE LCh	81, 33.853, 348.403
Yxy	57.9558, 0.3493, 0.2921
Android (android.graphics.Color)	4294947542 (0xFFFFB2D6)
YUV	205.1270, 4.3744, 43.7386
Hunter-Lab	76.1287, 29.2749, -2.1225

# Details

The Yxy color **57.9558, 0.3493, 0.2921** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **86.0985, 0.2870, 0.3693**, and the grayscale version is **61.0871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3256, 0.3137, 0.3088**, and **28.7888, 0.3588, 0.2830** is the 20% darker color. If you saturate the color by 10%, you get **48.0670, 0.3665, 0.2795**, and if you desaturate by 10%, it is **69.7834, 0.3348, 0.3048**.

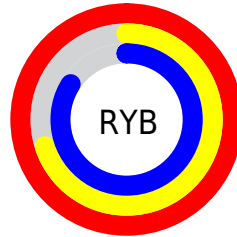
# Distribution



Red (100%)

Green (70%)

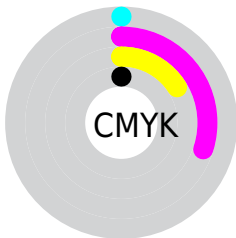
Blue (84%)



Red (100%)

Yellow (70%)

Blue (84%)

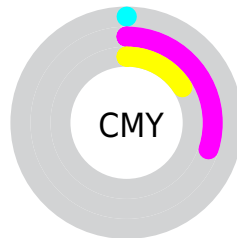


Cyan (0%)

Magenta (30%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (30%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.9558, 0.3493, 0.2921 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 57.9558, 0.3493, 0.2921 by changing the saturation by 10% instead.





 57.9558, 0.3493,  
0.2921

 57.9558, 0.3493,  
0.2921


417.0212, 0.3319,  
0.3094

 41.7731, 0.3534,  
0.2881

 101.8585, 0.3432,  
0.2981

 28.9237, 0.3585,  
0.2831


130.3473, 0.3408,  
0.3005

 19.0231, 0.3650,  
0.2768

163.7069, 0.3388,  
0.3025

 11.6870, 0.3738,  
0.2685


202.3218, 0.3371,  
0.3042

 6.5309, 0.3860,  
0.2570

246.5762, 0.3355,  
0.3058

 3.1705, 0.4042,  
0.2403


296.8547, 0.3342,

 1.2214, 0.4342,

0.3071


0.2138


353.5415, 0.3330,  
0.3083

 0.0791, 0.5801,  
0.0518


 0.0000, 0.0000,  
0.0000


 57.9558, 0.3493,  
0.2921


 57.9558, 0.3493,  
0.2921

 48.0670, 0.3665,  
0.2795


 69.7834, 0.3348,  
0.3048

 40.0183, 0.3867,  
0.2679

 83.6552, 0.3228,  
0.3171

 33.6910, 0.4099,  
0.2581

99.6601, 0.3129,  
0.3288

 28.9552, 0.4354,  
0.2514

100.0000, 0.3127,  
0.3290

■ 25.6624, 0.4624,  
0.2493

■ 23.6356, 0.4892,  
0.2525

■ 22.5973, 0.5141,  
0.2606

# Harmonies

## Analogous

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



57.9558, 0.3045, 0.2684



57.9558, 0.3493, 0.2921



57.9558, 0.3855, 0.3247

# Triad

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



57.9558, 0.3493, 0.2921



57.9558, 0.3585, 0.4078



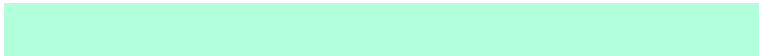
57.9558, 0.2320, 0.2883

# Complementary

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



57.9558, 0.3493, 0.2921



86.0985, 0.2870, 0.3693

# 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.



57.9558, 0.2443, 0.3269



57.9558, 0.3493, 0.2921



57.9558, 0.3159, 0.4011

# Square

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



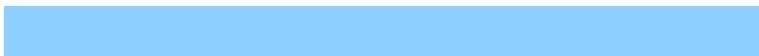
57.9558, 0.3493, 0.2921



57.9558, 0.3901, 0.3910



57.9558, 0.2743, 0.3701



57.9558, 0.2393, 0.2645



# Rectangle

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



57.9558, 0.3493, 0.2921



57.9558, 0.3985, 0.3484



57.9558, 0.2743, 0.3701



57.9558, 0.2340, 0.2998

# Sweetspot

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



57.9533, 0.3493, 0.2921



85.4592, 0.3215, 0.3185



53.9299, 0.2876, 0.2469



17.8239, 0.3231, 0.3168



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.



57.9533, 0.3493, 0.2921



51.9876, 0.3589, 0.2848



56.8256, 0.3807, 0.3306



18.1284, 0.3220, 0.3179



11.8371, 0.5102, 0.2584



1.1744, 0.4830, 0.2435



# Inverse Universe

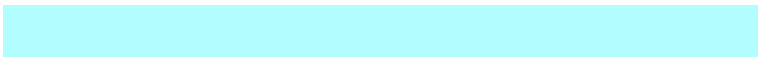
The Inverse Universe completely reimagines the original color for something new.



57.9533, 0.3493, 0.2921



51.9876, 0.3589, 0.2848



87.3881, 0.2689, 0.3275



18.1284, 0.3220, 0.3179



11.8371, 0.5102, 0.2584



1.1744, 0.4830, 0.2435



# Previews

## White Background



This preview shows how the Yxy color 57.9558, 0.3493, 0.2921 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

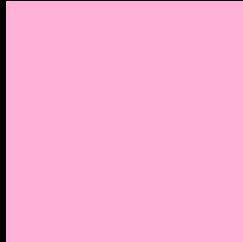
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.9558, 0.3493, 0.2921 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

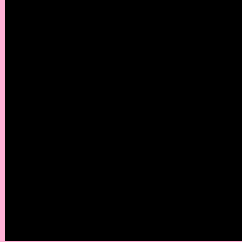
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.9558, 0.3493, 0.2921**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.9558, 0.3493, 0.2921.



This preview shows how white text looks on a background with the Yxy color 57.9558, 0.3493, 0.2921.

# 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

57.9558, 0.3493, 0.2921

### Protanopia

58.1287, 0.2910, 0.2965

### Deuteranopia

58.3323, 0.3175, 0.3108



## Tritanopia

57.8705, 0.3634, 0.3145

# Trichromacy



## Original Color

57.9558, 0.3493, 0.2921



## Protanomaly

57.2872, 0.3104, 0.2942



## Deuteranomaly

57.9717, 0.3286, 0.3037



## Tritanomaly

57.9776, 0.3584, 0.3062

# Monochromacy



## Original Color

57.9558, 0.3493, 0.2921



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

59.2723, 0.3254, 0.3145

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.9558, 0.3493, 0.2921 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, 178, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 214)  
}
```

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, 178, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 57.9558, 0.3493, 0.2921 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, 178, 214) }
```

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

```
.border{ border-color:rgb(255, 178, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 178, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.9558, 0.3493, 0.2921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 214) }
```

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

```
.background{ background-color: rgb(255,  
178, 214) }
```

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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