

# Converting Colors

$Y_{xy}(57.9499, 0.3527, 0.2967)$

Have a look what the booklet for  
Yxy(57.9499, 0.3527, 0.2967)  
contains.

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# Color

**Yxy(58.1533, 0.3525, 0.2971)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB3D2
RGB	255, 179, 210
RGB Percent	100%, 70%, 82%
CMY	0.0000, 0.2980, 0.1763
CMYK	0.00, 0.30, 0.18, 0.00
HSL	335°, 100%, 85%
HSV	335°, 30%, 100%
XYZ	68.9971, 58.1533, 68.5861
YIQ	205.2580, 35.3450, 25.7530

# Conversions

## Conversions Part 2

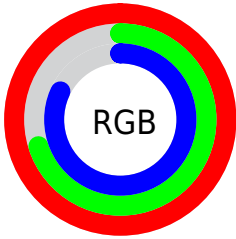
Format	Color
R <sub>Y</sub> B	255, 179, 210
Decimal	16757714
CIE Lab	80.82, 32.02, -4.51
CIE LCh	81, 32.338, 351.990
Yxy	58.1533, 0.3525, 0.2971
Android (android.graphics.Color)	4294947794 (0xFFFFB3D2)
YUV	205.2580, 2.3378, 43.6237
Hunter-Lab	76.2583, 28.0514, 0.0559

# Details

The Yxy color **58.1533, 0.3525, 0.2971** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **86.4835, 0.2850, 0.3635**, and the grayscale version is **61.1933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8967, 0.3136, 0.3097**, and **28.9378, 0.3621, 0.2882** is the 20% darker color. If you saturate the color by 10%, you get **48.1448, 0.3717, 0.2861**, and if you desaturate by 10%, it is **70.1272, 0.3365, 0.3082**.

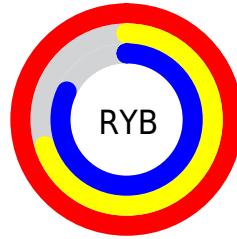
# Distribution



Red (100%)

Green (70%)

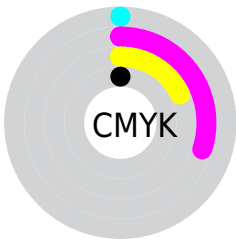
Blue (82%)



Red (100%)

Yellow (70%)

Blue (82%)

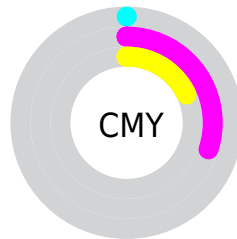


Cyan (0%)

Magenta (30%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (30%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1533, 0.3525, 0.2971 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 58.1533, 0.3525, 0.2971 by changing the saturation by 10% instead.





 58.1533, 0.3525,  
0.2971

 58.1533, 0.3525,  
0.2971


417.7569, 0.3335,  
0.3121

 41.9319, 0.3570,  
0.2936

 102.1461, 0.3458,  
0.3024

 29.0480, 0.3626,  
0.2892


130.6862, 0.3432,  
0.3044

 19.1171, 0.3699,  
0.2836


164.1014, 0.3410,  
0.3062

 11.7549, 0.3796,  
0.2762

202.7761, 0.3391,  
0.3077

 6.5770, 0.3932,  
0.2660

247.0945, 0.3374,  
0.3090

 3.1990, 0.4137,  
0.2508


297.4413, 0.3360,

 1.2365, 0.4479,


0.3102


0.2263

354.2006, 0.3347,  
0.3112


 0.0912, 0.6321,  
0.0664


 0.0000, 0.0000,  
0.0000


 58.1533, 0.3525,  
0.2971


 58.1533, 0.3525,  
0.2971

 48.1448, 0.3717,  
0.2861


 70.1272, 0.3365,  
0.3082

 39.9885, 0.3944,  
0.2758

 84.1578, 0.3233,  
0.3190

 33.5702, 0.4206,  
0.2673

100.0000, 0.3127,  
0.3290

 28.7601, 0.4496,  
0.2619

■ 25.4100, 0.4803,  
0.2608

■ 23.3434, 0.5106,  
0.2651

■ 22.2793, 0.5386,  
0.2742

■ 22.2624, 0.5392,  
0.2744

# Harmonies

## Analogous

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



58.1533, 0.3100, 0.2731



58.1533, 0.3525, 0.2971



58.1533, 0.3851, 0.3290

# Triad

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



58.1533, 0.3525, 0.2971



58.1533, 0.3521, 0.4046



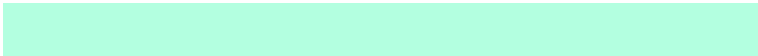
58.1533, 0.2353, 0.2867

# Complementary

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



58.1533, 0.3525, 0.2971



86.4835, 0.2850, 0.3635

# 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.



58.1533, 0.2449, 0.3222



58.1533, 0.3525, 0.2971



58.1533, 0.3109, 0.3952

# Square

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



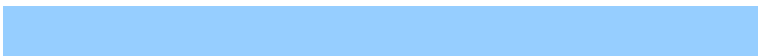
58.1533, 0.3525, 0.2971



58.1533, 0.3840, 0.3912



58.1533, 0.2719, 0.3635



58.1533, 0.2445, 0.2657



# Rectangle

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



58.1533, 0.3525, 0.2971



58.1533, 0.3956, 0.3518



58.1533, 0.2719, 0.3635



58.1533, 0.2364, 0.2972

# Sweetspot

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



58.1556, 0.3525, 0.2971



85.3776, 0.3224, 0.3199



55.2015, 0.2918, 0.2489



17.8038, 0.3241, 0.3183



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.



58.1556, 0.3525, 0.2971



51.7280, 0.3640, 0.2902



59.3525, 0.3779, 0.3358



18.1101, 0.3230, 0.3193



11.6604, 0.5350, 0.2721



1.1564, 0.5051, 0.2556



# Inverse Universe

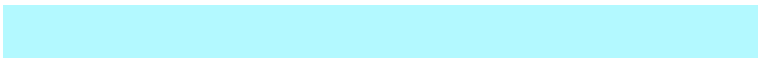
The Inverse Universe completely reimagines the original color for something new.



58.1556, 0.3525, 0.2971



51.7280, 0.3640, 0.2902



84.3493, 0.2688, 0.3220



18.1101, 0.3230, 0.3193



11.6604, 0.5350, 0.2721



1.1564, 0.5051, 0.2556



# Previews

## White Background



This preview shows how the Yxy color 58.1533, 0.3525, 0.2971 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

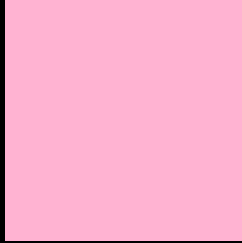
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.1533, 0.3525, 0.2971 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 58.1533, 0.3525, 0.2971**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.1533, 0.3525, 0.2971.



This preview shows how white text looks on a background with the Yxy color 58.1533, 0.3525, 0.2971.

# 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

58.1533, 0.3525, 0.2971

### Protanopia

58.6420, 0.2951, 0.3023

### Deuteranopia

58.4406, 0.3221, 0.3154



## Tritanopia

58.2787, 0.3632, 0.3155

# Trichromacy



## Original Color

58.1533, 0.3525, 0.2971



## Protanomaly

57.8213, 0.3149, 0.2999



## Deuteranomaly

57.9382, 0.3326, 0.3081



## Tritanomaly

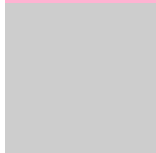
58.2887, 0.3599, 0.3093

# Monochromacy



## Original Color

58.1533, 0.3525, 0.2971



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

59.6728, 0.3261, 0.3167

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.1533, 0.3525, 0.2971 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, 179, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 210)  
}
```

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, 179, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 58.1533, 0.3525, 0.2971 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, 179, 210) }
```

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

```
.border{ border-color:rgb(255, 179, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 179, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.1533, 0.3525, 0.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 210) }
```

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

```
.background{ background-color: rgb(255,  
179, 210) }
```

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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