

# Converting Colors

Yxy(60.6312, 0.3531, 0.2985)

Have a look what the booklet for  
Yxy(60.6312, 0.3531, 0.2985)  
contains.

<b>Yxy(59.9311, 0.3493, 0.2983)</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(59.9311, 0.3493, 0.2983)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB7D5
RGB	255, 183, 213
RGB Percent	100%, 72%, 84%
CMY	0.0000, 0.2823, 0.1648
CMYK	0.00, 0.28, 0.16, 0.00
HSL	335°, 100%, 86%
HSV	335°, 28%, 100%
XYZ	70.1774, 59.9311, 70.8003
YIQ	207.9480, 33.2820, 24.5940

# Conversions

## Conversions Part 2

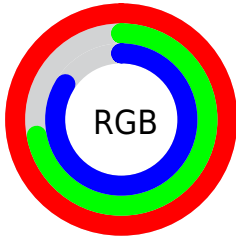
Format	Color
R <sub>Y</sub> B	255, 183, 213
Decimal	16758741
CIE Lab	81.80, 30.36, -4.65
CIE LCh	82, 30.713, 351.297
Yxy	59.9311, 0.3493, 0.2983
Android (android.graphics.Color)	4294948821 (0xFFFFB7D5)
YUV	207.9480, 2.4906, 41.2646
Hunter-Lab	77.4152, 26.3350, -0.0332

# Details

The Yxy color **59.9311, 0.3493, 0.2983** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.0200, 0.2866, 0.3621**, and the grayscale version is **63.0093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2130, 0.3134, 0.3136**, and **30.0395, 0.3587, 0.2909** is the 20% darker color. If you saturate the color by 10%, you get **49.6281, 0.3677, 0.2870**, and if you desaturate by 10%, it is **72.2143, 0.3340, 0.3096**.

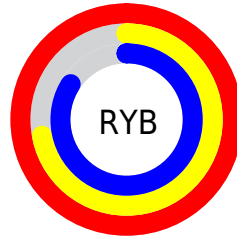
# Distribution



Red (100%)

Green (72%)

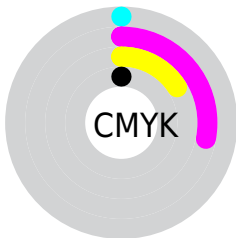
Blue (84%)



Red (100%)

Yellow (72%)

Blue (84%)

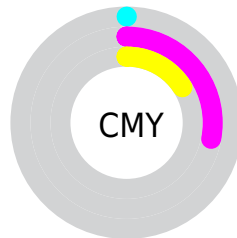


Cyan (0%)

Magenta (28%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (28%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9311, 0.3493, 0.2983 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 59.9311, 0.3493, 0.2983 by changing the saturation by 10% instead.





 59.9311, 0.3493,  
0.2983

 59.9311, 0.3493,  
0.2983

424.3438, 0.3319,  
0.3127

 43.3631, 0.3534,  
0.2950


 104.7297, 0.3432,  
0.3033

 30.1701, 0.3585,  
0.2908


133.7291, 0.3408,  
0.3053

 19.9677, 0.3650,  
0.2855


167.6411, 0.3388,  
0.3070

 12.3716, 0.3738,  
0.2785

206.8501, 0.3371,  
0.3084

 6.9973, 0.3860,  
0.2689

251.7405, 0.3355,  
0.3097

 3.4604, 0.4042,  
0.2547


302.6966, 0.3342,

 1.3766, 0.4343,


0.3108


0.2321


360.1029, 0.3330,  
0.3118


 0.1994, 0.5574,  
0.1190


 0.0000, 0.0000,  
0.0000

 59.9311, 0.3493,  
0.2983


 59.9311, 0.3493,  
0.2983

 49.6281, 0.3677,  
0.2870


 72.2143, 0.3340,  
0.3096

 41.1924, 0.3895,  
0.2764

 86.5666, 0.3214,  
0.3205

 34.5121, 0.4147,  
0.2673

99.9979, 0.3127,  
0.3290

 29.4598, 0.4430,  
0.2612

■ 25.8907, 0.4730,  
0.2592

■ 23.6341, 0.5031,  
0.2624

■ 22.4552, 0.5311,  
0.2709

■ 22.3012, 0.5359,  
0.2726

# Harmonies

## Analogous

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



59.9311, 0.3094, 0.2757



59.9311, 0.3493, 0.2983



59.9311, 0.3802, 0.3285

# Triad

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



59.9311, 0.3493, 0.2983



59.9311, 0.3508, 0.4000



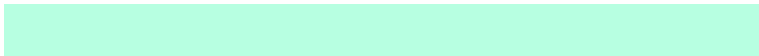
59.9311, 0.2396, 0.2900

# Complementary

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



59.9311, 0.3493, 0.2983



87.0200, 0.2866, 0.3621

# 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.



59.9311, 0.2492, 0.3237



59.9311, 0.3493, 0.2983



59.9311, 0.3121, 0.3914

# Square

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



59.9311, 0.3493, 0.2983



59.9311, 0.3804, 0.3872



59.9311, 0.2751, 0.3622



59.9311, 0.2479, 0.2696



# Rectangle

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



59.9311, 0.3493, 0.2983



59.9311, 0.3904, 0.3501



59.9311, 0.2751, 0.3622



59.9311, 0.2408, 0.3000

# Sweetspot

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



59.9339, 0.3493, 0.2983



86.9244, 0.3211, 0.3207



57.1001, 0.2931, 0.2535



18.1125, 0.3229, 0.3191



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.



59.9339, 0.3493, 0.2983



53.7543, 0.3595, 0.2917



61.0783, 0.3734, 0.3355



18.1125, 0.3229, 0.3191



11.6821, 0.5317, 0.2703



1.1586, 0.5022, 0.2540



# Inverse Universe

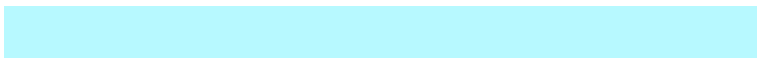
The Inverse Universe completely reimagines the original color for something new.



59.9339, 0.3493, 0.2983



53.7543, 0.3595, 0.2917



85.0342, 0.2709, 0.3224



18.1125, 0.3229, 0.3191



11.6821, 0.5317, 0.2703



1.1586, 0.5022, 0.2540



# Previews

## White Background



This preview shows how the Yxy color 59.9311, 0.3493, 0.2983 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

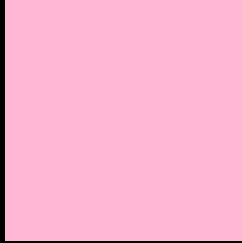
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.9311, 0.3493, 0.2983 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 59.9311, 0.3493, 0.2983**

## Background



This preview shows how black text looks on a background with the Yxy color 59.9311, 0.3493, 0.2983.



This preview shows how white text looks on a background with the Yxy color 59.9311, 0.3493, 0.2983.

# 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

59.9311, 0.3493, 0.2983

### Protanopia

60.0948, 0.2960, 0.3025

### Deuteranopia

60.2570, 0.3212, 0.3155



## Tritanopia

59.7507, 0.3582, 0.3135

# Trichromacy



## Original Color

59.9311, 0.3493, 0.2983



## Protanomaly

59.6228, 0.3141, 0.3002



## Deuteranomaly

60.1667, 0.3314, 0.3094



## Tritanomaly

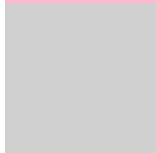
59.7596, 0.3550, 0.3073

# Monochromacy



## Original Color

59.9311, 0.3493, 0.2983



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

61.5075, 0.3251, 0.3168

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.9311, 0.3493, 0.2983 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, 183, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 213)  
}
```

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, 183, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 59.9311, 0.3493, 0.2983 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, 183, 213) }
```

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

```
.border{ border-color:rgb(255, 183, 213) }
```

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

Here you see how a box with a 4 pixel rgb(255, 183, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.9311, 0.3493, 0.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 183, 213) }
```

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

```
.background{ background-color: rgb(255,  
183, 213) }
```

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