

# Converting Colors

Yxy(51.3498, 0.3590, 0.2933)

Have a look what the booklet for  
Yxy(51.3498, 0.3590, 0.2933)  
contains.

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# Color

**Yxy(51.5357, 0.3596, 0.2941)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9A6C7
RGB	249, 166, 199
RGB Percent	98%, 65%, 78%
CMY	0.0236, 0.3490, 0.2195
CMYK	0.00, 0.33, 0.20, 0.02
HSL	336°, 87%, 81%
HSV	336°, 33%, 98%
XYZ	63.0134, 51.5357, 60.6828
YIQ	194.5790, 38.8750, 27.8590

# Conversions

## Conversions Part 2

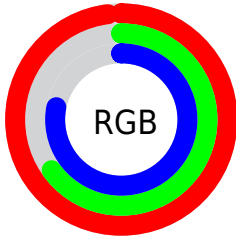
Format	Color
R <sub>Y</sub> B	249, 166, 199
Decimal	16361159
CIE Lab	77.00, 35.11, -4.24
CIE LCh	77, 35.364, 353.115
Yxy	51.5357, 0.3596, 0.2941
Android (android.graphics.Color)	4294551239 (0xFFFF9A6C7)
YUV	194.5790, 2.1796, 47.7272
Hunter-Lab	71.7884, 31.0516, 0.1339

# Details

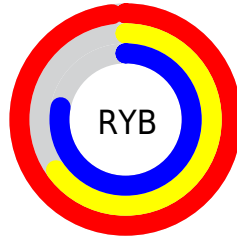
The Yxy color  $51.5357, 0.3596, 0.2941$  is a light color, and the websafe version is hex  $\text{FF99CC}$ . A complement of this color would be  $80.8099, 0.2817, 0.3672$ , and the grayscale version is  $54.2817, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $80.7226, 0.3142, 0.2970$ , and  $24.9310, 0.3722, 0.2855$  is the 20% darker color. If you saturate the color by 10%, you get  $42.6823, 0.3804, 0.2835$ , and if you desaturate by 10%, it is  $62.2148, 0.3422, 0.3050$ .

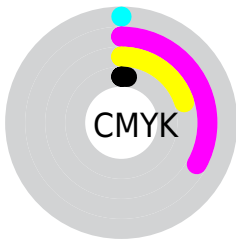
# Distribution



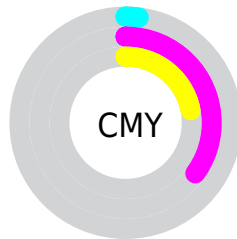
- Red (98%)
- Green (65%)
- Blue (78%)



- Red (98%)
- Yellow (65%)
- Blue (78%)



- Cyan (0%)
- Magenta (33%)
- Yellow (20%)
- Black (2%)




- Cyan (2%)
- Magenta (35%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5357, 0.3596, 0.2941 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 51.5357, 0.3596, 0.2941 by changing the saturation by 10% instead.




 51.5357, 0.3596,  
0.2941

 51.5357, 0.3596,  
0.2941


392.6415, 0.3367,  
0.3109

 36.6351, 0.3651,  
0.2901


 92.4461, 0.3514,  
0.3001

 24.9251, 0.3721,  
0.2851


 119.2248, 0.3483,  
0.3023

 16.0213, 0.3813,  
0.2785


150.7316, 0.3457,  
0.3043

 9.5392, 0.3937,  
0.2698

187.3509, 0.3434,  
0.3060

 5.0945, 0.4116,  
0.2573

229.4672, 0.3414,  
0.3074

 2.3028, 0.4394,  
0.2385

277.4648, 0.3397,

 0.7752, 0.4885,

0.3087

0.2058

331.7281, 0.3381,  
0.3099

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

51.5357, 0.3596,  
0.2941

51.5357, 0.3596,  
0.2941

42.6823, 0.3804,  
0.2835

62.2148, 0.3422,  
0.3050

35.5439, 0.4048,  
0.2740

74.8076, 0.3279,  
0.3156

30.0089, 0.4326,  
0.2667

89.4051, 0.3161,  
0.3258

25.9494, 0.4630,  
0.2629

98.8783, 0.3090,  
0.3290

■ 23.2175, 0.4944,  
0.2638

■ 21.6338, 0.5245,  
0.2700

■ 21.0414, 0.5431,  
0.2766

# Harmonies

## Analogous

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



51.5357, 0.3112, 0.2669



51.5357, 0.3596, 0.2941



51.5357, 0.3963, 0.3299

# Triad

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



51.5357, 0.3596, 0.2941



51.5357, 0.3553, 0.4155



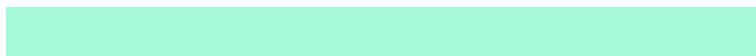
51.5357, 0.2255, 0.2793

# Complementary

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



51.5357, 0.3596, 0.2941



80.8099, 0.2817, 0.3672

# 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.



51.5357, 0.2353, 0.3191



51.5357, 0.3596, 0.2941



51.5357, 0.3084, 0.4042

# Square

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



51.5357, 0.3596, 0.2941



51.5357, 0.3924, 0.4000



51.5357, 0.2648, 0.3667



51.5357, 0.2365, 0.2569



# Rectangle

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



51.5357, 0.3596, 0.2941



51.5357, 0.4074, 0.3555



51.5357, 0.2648, 0.3667



51.5357, 0.2264, 0.2909

# Sweetspot

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



51.5381, 0.3596, 0.2941



83.8463, 0.3237, 0.3191



48.6816, 0.2898, 0.2391



17.4980, 0.3255, 0.3176



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.



51.5381, 0.3596, 0.2941



47.9197, 0.3732, 0.2869



53.2814, 0.3880, 0.3382



17.3397, 0.3231, 0.3196



11.2901, 0.5390, 0.2743



1.0659, 0.5073, 0.2568



# Inverse Universe

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



51.5381, 0.3596, 0.2941



47.9197, 0.3732, 0.2869



77.6760, 0.2641, 0.3195



17.3397, 0.3231, 0.3196



11.2901, 0.5390, 0.2743



1.0659, 0.5073, 0.2568



# Previews

## White Background



This preview shows how the Yxy color 51.5357, 0.3596, 0.2941 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

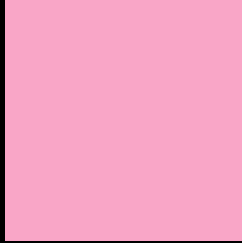
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.5357, 0.3596, 0.2941 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

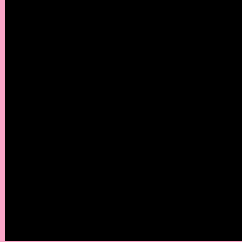
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.5357, 0.3596, 0.2941**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5357, 0.3596, 0.2941.



This preview shows how white text looks on a background with the Yxy color 51.5357, 0.3596, 0.2941.

# 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

51.5357, 0.3596, 0.2941

### Protanopia

51.7641, 0.2935, 0.2997

### Deuteranopia

51.9488, 0.3226, 0.3159



## Tritanopia

51.5275, 0.3730, 0.3151

# Trichromacy



## Original Color

51.5357, 0.3596, 0.2941



## Protanomaly

51.3035, 0.3159, 0.2974



## Deuteranomaly

51.4016, 0.3354, 0.3072



## Tritanomaly

51.5926, 0.3685, 0.3077

# Monochromacy



## Original Color

51.5357, 0.3596, 0.2941



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

52.7136, 0.3294, 0.3150

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5357, 0.3596, 0.2941 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(249, 166, 199)` looks like.

```
.text, #text, p{  
    color:rgb(249, 166, 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(249, 166, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 166, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5357, 0.3596, 0.2941 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(249, 166, 199) }
```

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

```
.border{ border-color:rgb(249, 166, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 166, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 166, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 166, 199);  
box-shadow:4px 4px 4px 4px rgb(249, 166,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5357, 0.3596, 0.2941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 166, 199) }
```

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

```
.background{ background-color: rgb(249,  
166, 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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