

# Converting Colors

$Y_{xy}(50.5756, 0.3800, 0.3058)$

Have a look what the booklet for  
Yxy(50.5756, 0.3800, 0.3058)  
contains.

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# **Color**

**Yxy(50.5614, 0.3803, 0.3061)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA2B8
RGB	255, 162, 184
RGB Percent	100%, 64%, 72%
CMY	0.0000, 0.3647, 0.2784
CMYK	0.00, 0.36, 0.28, 0.00
HSL	346°, 100%, 82%
HSV	346°, 36%, 100%
XYZ	62.8177, 50.5614, 51.8002
YIQ	192.3150, 48.3660, 26.5580

# Conversions

## Conversions Part 2

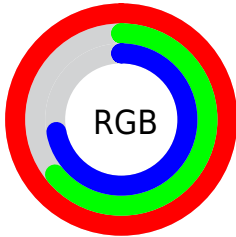
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 162, 184
Decimal	16753336
CIE Lab	76.41, 37.20, 3.20
CIE LCh	76, 37.337, 4.919
Yxy	50.5614, 0.3803, 0.3061
Android (android.graphics.Color)	4294943416 (0xFFFFA2B8)
YUV	192.3150, -4.0993, 54.9747
Hunter-Lab	71.1065, 33.2560, 6.5825

# Details

The Yxy color **50.5614, 0.3803, 0.3061** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **85.0834, 0.2718, 0.3538**, and the grayscale version is **52.9074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6941, 0.3245, 0.3073**, and **24.3117, 0.3986, 0.2998** is the 20% darker color. If you saturate the color by 10%, you get **41.7084, 0.4091, 0.3000**, and if you desaturate by 10%, it is **61.3459, 0.3564, 0.3126**.

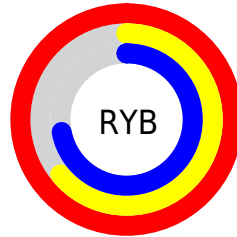
# Distribution



Red (100%)

Green (64%)

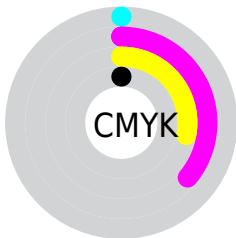
Blue (72%)



Red (100%)

Yellow (64%)

Blue (72%)

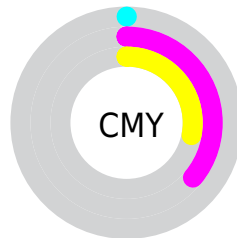


Cyan (0%)

Magenta (36%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (36%)


Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5614, 0.3803, 0.3061 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 50.5614, 0.3803, 0.3061 by changing the saturation by 10% instead.





 50.5614, 0.3803,  
0.3061


 50.5614, 0.3803,  
0.3061


388.8573, 0.3469,  
0.3177

 35.8597, 0.3885,  
0.3032


 91.0061, 0.3682,  
0.3103

 24.3258, 0.3990,  
0.2994


 117.5179, 0.3637,  
0.3119

 15.5755, 0.4127,  
0.2944


148.7352, 0.3598,  
0.3132

 9.2243, 0.4316,  
0.2875

185.0423, 0.3565,  
0.3144

 4.8878, 0.4591,  
0.2771

226.8237, 0.3536,  
0.3154

 2.1816, 0.5023,  
0.2603

274.4637, 0.3511,

 0.7099, 0.5913,

0.3162

0.2304

328.3468, 0.3489,  
0.3170

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.5614, 0.3803,  
0.3061

50.5614, 0.3803,  
0.3061

41.7084, 0.4091,  
0.3000

61.3459, 0.3564,  
0.3126

34.6748, 0.4430,  
0.2951

74.1709, 0.3370,  
0.3191

29.3318, 0.4811,  
0.2924

89.1333, 0.3213,  
0.3252

25.5351, 0.5213,  
0.2928

100.0000, 0.3127,  
0.3290

■ 23.1156, 0.5598,  
0.2972

■ 21.8632, 0.5920,  
0.3056

■ 21.5900, 0.6015,  
0.3087

# Harmonies

## Analogous

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



50.5614, 0.3316, 0.2732



50.5614, 0.3803, 0.3061



50.5614, 0.4102, 0.3456

# Triad

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



50.5614, 0.3803, 0.3061



50.5614, 0.3385, 0.4202



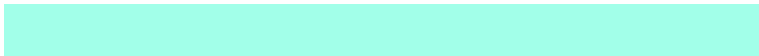
50.5614, 0.2226, 0.2645

# Complementary

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



50.5614, 0.3803, 0.3061



85.0834, 0.2718, 0.3538

# 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.



50.5614, 0.2241, 0.2997



50.5614, 0.3803, 0.3061



50.5614, 0.2886, 0.3962

# Square

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



50.5614, 0.3803, 0.3061



50.5614, 0.3837, 0.4135



50.5614, 0.2473, 0.3492



50.5614, 0.2424, 0.2489



# Rectangle

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



50.5614, 0.3803, 0.3061



50.5614, 0.4140, 0.3721



50.5614, 0.2473, 0.3492



50.5614, 0.2207, 0.2741

# Sweetspot

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



50.5603, 0.3803, 0.3061



82.0877, 0.3280, 0.3225



50.1731, 0.2981, 0.2331



17.1373, 0.3301, 0.3216



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.



50.5603, 0.3803, 0.3061



43.7229, 0.4015, 0.3015



58.6699, 0.3928, 0.3536



18.0575, 0.3257, 0.3234



11.3003, 0.5976, 0.3066



1.1164, 0.5665, 0.2894



# Inverse Universe

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



50.5603, 0.3803, 0.3061



43.7229, 0.4015, 0.3015



72.4730, 0.2577, 0.3025



18.0575, 0.3257, 0.3234



11.3003, 0.5976, 0.3066



1.1164, 0.5665, 0.2894



# Previews

## White Background



This preview shows how the Yxy color 50.5614, 0.3803, 0.3061 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

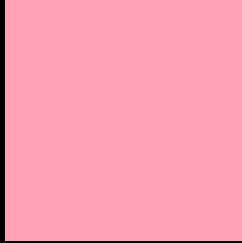
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.5614, 0.3803, 0.3061 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 50.5614, 0.3803, 0.3061**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.5614, 0.3803, 0.3061.



This preview shows how white text looks on a background with the Yxy color 50.5614, 0.3803, 0.3061.

# 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

50.5614, 0.3803, 0.3061

### Protanopia

50.9088, 0.3052, 0.3153

### Deuteranopia

50.8639, 0.3385, 0.3327



## Tritanopia

50.3998, 0.3869, 0.3155

# Trichromacy



## Original Color

50.5614, 0.3803, 0.3061



## Protanomaly

50.2814, 0.3300, 0.3113



## Deuteranomaly

50.1649, 0.3535, 0.3222



## Tritanomaly

50.5199, 0.3840, 0.3123

# Monochromacy



## Original Color

50.5614, 0.3803, 0.3061



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

51.1689, 0.3356, 0.3196

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.5614, 0.3803, 0.3061 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, 162, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 184)  
}
```

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, 162, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 50.5614, 0.3803, 0.3061 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, 162, 184) }
```

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

```
.border{ border-color:rgb(255, 162, 184) }
```

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

Here you see how a box with a 4 pixel rgb(255, 162, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.5614, 0.3803, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 184) }
```

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

```
.background{ background-color: rgb(255,  
162, 184) }
```

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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