

# Converting Colors

$Y_{xy}(49.6388, 0.3659, 0.2815)$

Have a look what the booklet for  
Yxy(49.6388, 0.3659, 0.2815)  
contains.

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# Color

**Yxy(49.3012, 0.3643, 0.2815)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9CCA
RGB	255, 156, 202
RGB Percent	100%, 61%, 79%
CMY	0.0000, 0.3883, 0.2078
CMYK	0.00, 0.39, 0.21, 0.00
HSL	332°, 100%, 81%
HSV	332°, 39%, 100%
XYZ	63.8026, 49.3012, 62.0337
YIQ	190.8450, 44.2380, 35.2940

# Conversions

## Conversions Part 2

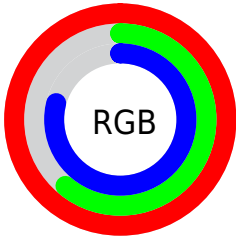
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 156, 202
Decimal	16751818
CIE Lab	75.64, 42.80, -7.80
CIE LCh	76, 43.507, 349.668
Yxy	49.3012, 0.3643, 0.2815
Android (android.graphics.Color)	4294941898 (0xFFFF9CCA)
YUV	190.8450, 5.4994, 56.2639
Hunter-Lab	70.2148, 39.3229, -3.2314

# Details

The Yxy color **49.3012, 0.3643, 0.2815** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.1879, 0.2806, 0.3828**, and the grayscale version is **51.9462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5670, 0.3147, 0.2871**, and **23.5744, 0.3773, 0.2698** is the 20% darker color. If you saturate the color by 10%, you get **40.9993, 0.3842, 0.2697**, and if you desaturate by 10%, it is **59.4428, 0.3473, 0.2940**.

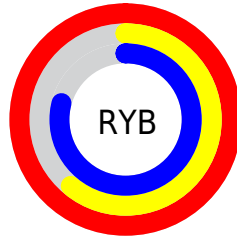
# Distribution



Red (100%)

Green (61%)

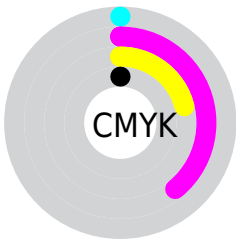
Blue (79%)



Red (100%)

Yellow (61%)

Blue (79%)

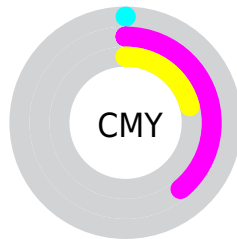


Cyan (0%)

Magenta (39%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (39%)


Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3012, 0.3643, 0.2815 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 49.3012, 0.3643, 0.2815 by changing the saturation by 10% instead.





 49.3012, 0.3643,  
0.2815

 49.3012, 0.3643,  
0.2815


383.9269, 0.3392,  
0.3042

 34.8585, 0.3704,  
0.2761


 89.1386, 0.3553,  
0.2895

 23.5539, 0.3780,  
0.2694


 115.3021, 0.3519,  
0.2926

 15.0030, 0.3880,  
0.2608


146.1413, 0.3490,  
0.2952

 8.8215, 0.4015,  
0.2493

182.0407, 0.3465,  
0.2975

 4.6249, 0.4209,  
0.2331

223.3845, 0.3443,  
0.2995

 2.0289, 0.4508,  
0.2091

270.5572, 0.3424,

 0.6242, 0.5055,

0.3013

0.1647

323.9432, 0.3407,  
0.3028

0.0000, 0.9673,  
0.0000

0.0000, 0.0000,  
0.0000

49.3012, 0.3643,  
0.2815

49.3012, 0.3643,  
0.2815

40.9993, 0.3842,  
0.2697

59.4428, 0.3473,  
0.2940

34.4427, 0.4071,  
0.2596

71.5494, 0.3331,  
0.3066

29.4968, 0.4325,  
0.2526

85.7111, 0.3214,  
0.3188

26.0161, 0.4595,  
0.2498

100.0000, 0.3127,  
0.3290

■ 23.8283, 0.4866,  
0.2523

■ 22.6838, 0.5123,  
0.2602

■ 22.5806, 0.5153,  
0.2612

# Harmonies

## Analogous

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



49.3012, 0.3033, 0.2505



49.3012, 0.3643, 0.2815



49.3012, 0.4134, 0.3235

# Triad

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



49.3012, 0.3643, 0.2815



49.3012, 0.3704, 0.4365



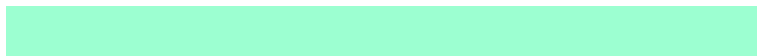
49.3012, 0.2063, 0.2710

# Complementary

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



49.3012, 0.3643, 0.2815



83.1879, 0.2806, 0.3828

# 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.



49.3012, 0.2204, 0.3221



49.3012, 0.3643, 0.2815



49.3012, 0.3129, 0.4283

# Square

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



49.3012, 0.3643, 0.2815



49.3012, 0.4148, 0.4115



49.3012, 0.2582, 0.3833



49.3012, 0.2167, 0.2421



# Rectangle

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



49.3012, 0.3643, 0.2815



49.3012, 0.4298, 0.3542



49.3012, 0.2582, 0.3833



49.3012, 0.2083, 0.2858

# Sweetspot

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



49.2944, 0.3643, 0.2815



80.9963, 0.3249, 0.3150



44.5146, 0.2796, 0.2215



16.9337, 0.3264, 0.3134



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.



49.2944, 0.3643, 0.2815



42.3852, 0.3803, 0.2718



48.5521, 0.4091, 0.3328



18.1276, 0.3221, 0.3180



11.8284, 0.5114, 0.2591



1.1735, 0.4841, 0.2440



# Inverse Universe

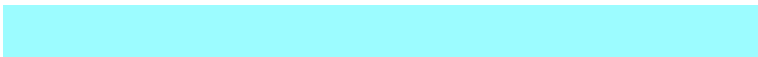
The Inverse Universe completely reimagines the original color for something new.



49.2944, 0.3643, 0.2815



42.3852, 0.3803, 0.2718



83.7179, 0.2582, 0.3252



18.1276, 0.3221, 0.3180



11.8284, 0.5114, 0.2591

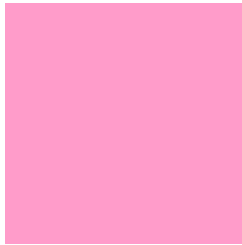


1.1735, 0.4841, 0.2440



# Previews

## White Background



This preview shows how the Yxy color 49.3012, 0.3643, 0.2815 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 49.3012, 0.3643, 0.2815 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

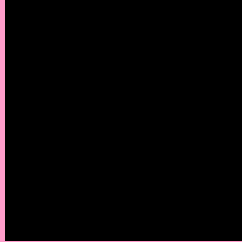
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.3012, 0.3643, 0.2815**

## Background



This preview shows how black text looks on a background with the Yxy color 49.3012, 0.3643, 0.2815.



This preview shows how white text looks on a background with the Yxy color 49.3012, 0.3643, 0.2815.

# 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

49.3012, 0.3643, 0.2815

### Protanopia

49.6217, 0.2825, 0.2848

### Deuteranopia

49.4043, 0.3154, 0.3083



## Tritanopia

49.2023, 0.3887, 0.3165

# Trichromacy



## Original Color

49.3012, 0.3643, 0.2815



## Protanomaly

48.3925, 0.3090, 0.2821



## Deuteranomaly

48.8442, 0.3328, 0.2978



## Tritanomaly

49.1396, 0.3793, 0.3028

# Monochromacy



## Original Color

49.3012, 0.3643, 0.2815



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

50.0771, 0.3301, 0.3090

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.3012, 0.3643, 0.2815 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, 156, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 202)  
}
```

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, 156, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 49.3012, 0.3643, 0.2815 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, 156, 202) }
```

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

```
.border{ border-color:rgb(255, 156, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 156, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.3012, 0.3643, 0.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 202) }
```

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

```
.background{ background-color: rgb(255,  
156, 202) }
```

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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