

# Converting Colors

$Y_{xy}(48.8104, 0.3654, 0.2906)$

Have a look what the booklet for  
Yxy(48.8104, 0.3654, 0.2906)  
contains.

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# Color

**Yxy(48.8761, 0.3649, 0.2909)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F99FC3
RGB	249, 159, 195
RGB Percent	98%, 62%, 76%
CMY	0.0236, 0.3764, 0.2353
CMYK	0.00, 0.36, 0.22, 0.02
HSL	336°, 88%, 80%
HSV	336°, 36%, 98%
XYZ	61.3093, 48.8761, 57.8314
YIQ	190.0140, 42.0840, 30.2760

# Conversions

## Conversions Part 2

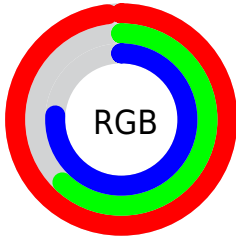
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	249, 159, 195
Decimal	16359363
CIE <sub>Lab</sub>	75.37, 38.16, -4.43
CIE <sub>LCh</sub>	75, 38.417, 353.383
Yxy	48.8761, 0.3649, 0.2909
Android (android.graphics.Color)	4294549443 (0xFFFF99FC3)
YUV	190.0140, 2.4581, 51.7307
Hunter-Lab	69.9114, 34.1918, -0.1072

# Details

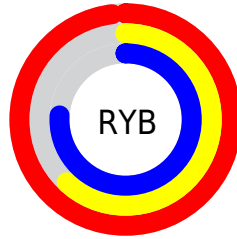
The Yxy color  $48.8761, 0.3649, 0.2909$  is a light color, and the websafe version is hex  $\text{FF99CC}$ . A complement of this color would be  $79.9148, 0.2795, 0.3712$ , and the grayscale version is  $51.4701, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.8892, 0.3165, 0.2928$ , and  $23.3075, 0.3798, 0.2815$  is the 20% darker color. If you saturate the color by 10%, you get  $40.5170, 0.3866, 0.2805$ , and if you desaturate by 10%, it is  $59.0320, 0.3467, 0.3018$ .

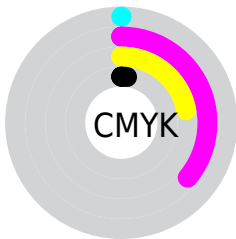
# Distribution



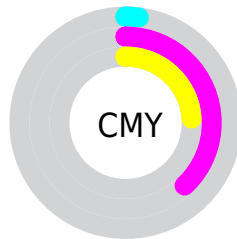
- Red (98%)
- Green (62%)
- Blue (76%)



- Red (98%)
- Yellow (62%)
- Blue (76%)



- Cyan (0%)
- Magenta (36%)
- Yellow (22%)
- Black (2%)




- Cyan (2%)
- Magenta (38%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8761, 0.3649, 0.2909 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 48.8761, 0.3649, 0.2909 by changing the saturation by 10% instead.





 48.8761, 0.3649,  
0.2909


 48.8761, 0.3649,  
0.2909


382.2543, 0.3393,  
0.3094

 34.5212, 0.3712,  
0.2865


 88.5074, 0.3557,  
0.2975

 23.2943, 0.3791,  
0.2809


 114.5526, 0.3522,  
0.3000

 14.8110, 0.3896,  
0.2736


145.2634, 0.3492,  
0.3021

 8.6868, 0.4039,  
0.2637

181.0241, 0.3467,  
0.3040

 4.5375, 0.4246,  
0.2497

222.2191, 0.3445,  
0.3056

 1.9785, 0.4572,  
0.2282

269.2329, 0.3425,

 0.5950, 0.5200,

0.3070

0.1840

322.4499, 0.3408,  
0.3083

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 48.8761, 0.3649,  
0.2909

■ 48.8761, 0.3649,  
0.2909

■ 40.5170, 0.3866,  
0.2805

■ 59.0320, 0.3467,  
0.3018

■ 33.8416, 0.4119,  
0.2714

■ 71.0750, 0.3316,  
0.3126

■ 28.7348, 0.4404,  
0.2649

■ 85.0979, 0.3192,  
0.3230

■ 25.0638, 0.4712,  
0.2622

■ 98.8602, 0.3091,  
0.3292

■ 22.6737, 0.5024,  
0.2646

■ 98.8758, 0.3090,  
0.3290

■ 21.3722, 0.5317,  
0.2723

■ 21.0478, 0.5424,  
0.2761

# Harmonies

## Analogous

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



48.8761, 0.3113, 0.2612



48.8761, 0.3649, 0.2909



48.8761, 0.4055, 0.3299

# Triad

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



48.8761, 0.3649, 0.2909



48.8761, 0.3588, 0.4249



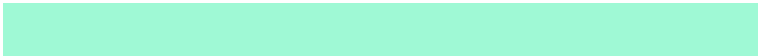
48.8761, 0.2172, 0.2736

# Complementary

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



48.8761, 0.3649, 0.2909



79.9148, 0.2795, 0.3712

# 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.



48.8761, 0.2275, 0.3171



48.8761, 0.3649, 0.2909



48.8761, 0.3071, 0.4126

# Square

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



48.8761, 0.3649, 0.2909



48.8761, 0.4001, 0.4071



48.8761, 0.2593, 0.3704



48.8761, 0.2294, 0.2496



# Rectangle

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



48.8761, 0.3649, 0.2909



48.8761, 0.4176, 0.3577



48.8761, 0.2593, 0.3704



48.8761, 0.2181, 0.2861

# Sweetspot

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



48.8784, 0.3649, 0.2909



82.3538, 0.3249, 0.3180



45.7860, 0.2873, 0.2311



17.2005, 0.3266, 0.3166



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.



48.8784, 0.3649, 0.2909



45.3010, 0.3795, 0.2836



50.6501, 0.3970, 0.3389



17.3402, 0.3231, 0.3195



11.2950, 0.5382, 0.2738



1.0664, 0.5066, 0.2565



# Inverse Universe

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



48.8784, 0.3649, 0.2909



45.3010, 0.3795, 0.2836



76.5208, 0.2605, 0.3186



17.3402, 0.3231, 0.3195



11.2950, 0.5382, 0.2738



1.0664, 0.5066, 0.2565



# Previews

## White Background



This preview shows how the Yxy color 48.8761, 0.3649, 0.2909 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

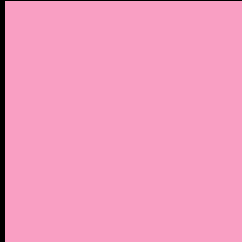
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.8761, 0.3649, 0.2909 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 48.8761, 0.3649, 0.2909**

## Background



This preview shows how black text looks on a background with the Yxy color 48.8761, 0.3649, 0.2909.

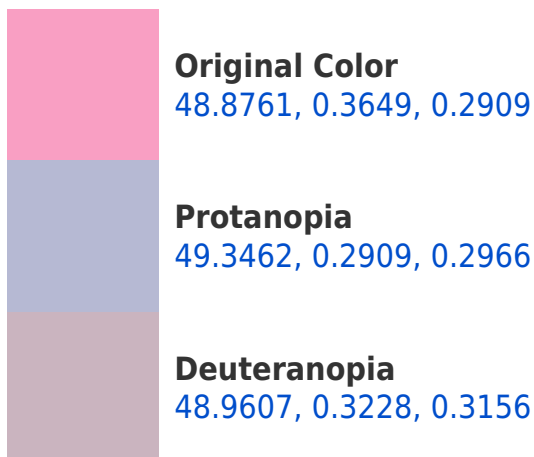


This preview shows how white text looks on a background with the Yxy color 48.8761, 0.3649, 0.2909.

# 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





## Tritanopia

49.0637, 0.3815, 0.3162

# Trichromacy



## Original Color

48.8761, 0.3649, 0.2909

## Protanomaly

48.5803, 0.3152, 0.2945

## Deuteranomaly

48.3709, 0.3380, 0.3057

## Tritanomaly

49.1745, 0.3759, 0.3077

# Monochromacy



## Original Color

48.8761, 0.3649, 0.2909

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

49.8949, 0.3299, 0.3136

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.8761, 0.3649, 0.2909 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, 159, 195)` looks like.

```
.text, #text, p{  
    color:rgb(249, 159, 195)  
}
```

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, 159, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 159, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 48.8761, 0.3649, 0.2909 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, 159, 195) }
```

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

```
.border{ border-color:rgb(249, 159, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 159, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 159, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 159, 195);  
box-shadow:4px 4px 4px 4px rgb(249, 159,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.8761, 0.3649, 0.2909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 159, 195) }
```

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

```
.background{ background-color: rgb(249,  
159, 195) }
```

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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