

# Converting Colors

$Y_{xy}(49.8022, 0.3683, 0.3144)$

Have a look what the booklet for  
Yxy(49.8022, 0.3683, 0.3144)  
contains.

<b>Yxy(49.8667, 0.3679, 0.3148)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(49.8667, 0.3679, 0.3148)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0A8B5
RGB	240, 168, 181
RGB Percent	94%, 66%, 71%
CMY	0.0588, 0.3412, 0.2902
CMYK	0.00, 0.30, 0.25, 0.06
HSL	349°, 71%, 80%
HSV	349°, 30%, 94%
XYZ	58.2781, 49.8667, 50.2627
YIQ	191.0100, 38.7390, 19.3070

# Conversions

## Conversions Part 2

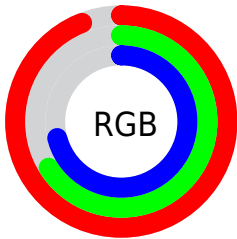
Format	Color
R <sub>Y</sub> B	240, 168, 181
Decimal	15771829
CIE Lab	75.99, 28.28, 4.03
CIE LCh	76, 28.563, 8.109
Yxy	49.8667, 0.3679, 0.3148
Android (android.graphics.Color)	4293961909 (0xFFFF0A8B5)
YUV	191.0100, -4.9349, 42.9642
Hunter-Lab	70.6164, 23.7335, 7.2305

# Details

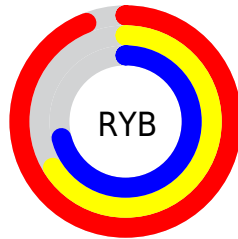
The Yxy color **49.8667, 0.3679, 0.3148** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **76.1953, 0.2761, 0.3439**, and the grayscale version is **52.1198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6857, 0.3260, 0.3162**, and **23.8873, 0.3842, 0.3106** is the 20% darker color. If you saturate the color by 10%, you get **41.0584, 0.3954, 0.3100**, and if you desaturate by 10%, it is **60.4290, 0.3455, 0.3197**.

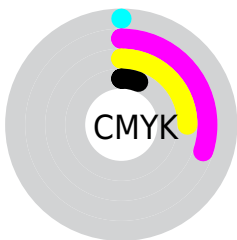
# Distribution



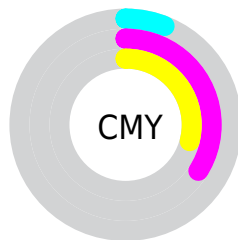
- Red (94%)
- Green (66%)
- Blue (71%)



- Red (94%)
- Yellow (66%)
- Blue (71%)



- Cyan (0%)
- Magenta (30%)
- Yellow (25%)
- Black (6%)



- Cyan (6%)
- Magenta (34%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8667, 0.3679, 0.3148 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 49.8667, 0.3679, 0.3148 by changing the saturation by 10% instead.




 49.8667, 0.3679,  
0.3148

 49.8667, 0.3679,  
0.3148


386.1444, 0.3405,  
0.3221

 35.3075, 0.3747,  
0.3129


 89.9773, 0.3580,  
0.3175

 23.8998, 0.3833,  
0.3105


 116.2976, 0.3542,  
0.3185

 15.2593, 0.3948,  
0.3072


147.3069, 0.3511,  
0.3193

 9.0016, 0.4106,  
0.3025

183.3898, 0.3484,  
0.3201

 4.7422, 0.4339,  
0.2953

224.9306, 0.3460,  
0.3207

 2.0968, 0.4711,  
0.2832

272.3137, 0.3439,

 0.6628, 0.5623,

0.3212

0.2631

325.9235, 0.3421,  
0.3217

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.8667, 0.3679,  
0.3148

49.8667, 0.3679,  
0.3148

41.0584, 0.3954,  
0.3100

60.4290, 0.3455,  
0.3197

33.9024, 0.4284,  
0.3057

72.8260, 0.3273,  
0.3245

28.2969, 0.4667,  
0.3027

87.1419, 0.3127,  
0.3290

24.1264, 0.5086,  
0.3018

97.2660, 0.3035,  
0.3290

■ 21.2589, 0.5507,  
0.3038

■ 19.5377, 0.5879,  
0.3091

■ 18.7025, 0.6157,  
0.3165

■ 18.7024, 0.6157,  
0.3165

# Harmonies

## Analogous

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



49.8667, 0.3319, 0.2876



49.8667, 0.3679, 0.3148



49.8667, 0.3886, 0.3465

# Triad

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



49.8667, 0.3679, 0.3148



49.8667, 0.3294, 0.3972



49.8667, 0.2428, 0.2772

# Complementary

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



49.8667, 0.3679, 0.3148



76.1953, 0.2761, 0.3439

# 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.



49.8667, 0.2424, 0.3038



49.8667, 0.3679, 0.3148



49.8667, 0.2908, 0.3765

# Square

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



49.8667, 0.3679, 0.3148



49.8667, 0.3649, 0.3959



49.8667, 0.2594, 0.3407



49.8667, 0.2605, 0.2659



# Rectangle

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



49.8667, 0.3679, 0.3148



49.8667, 0.3902, 0.3670



49.8667, 0.2594, 0.3407



49.8667, 0.2407, 0.2845

# Sweetspot

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



49.8690, 0.3679, 0.3148



85.0685, 0.3258, 0.3250



50.5980, 0.3053, 0.2518



17.7281, 0.3281, 0.3243



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.



49.8690, 0.3679, 0.3148



50.8107, 0.3841, 0.3118



58.5300, 0.3728, 0.3542



15.8054, 0.3265, 0.3248



10.2514, 0.6124, 0.3147



0.8658, 0.5782, 0.2959



# Inverse Universe

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



49.8690, 0.3679, 0.3148



50.8107, 0.3841, 0.3118



64.3482, 0.2665, 0.3022



15.8054, 0.3265, 0.3248



10.2514, 0.6124, 0.3147

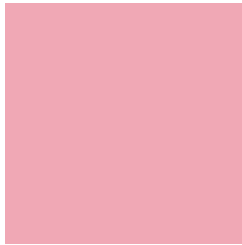


0.8658, 0.5782, 0.2959



# Previews

## White Background



This preview shows how the Yxy color 49.8667, 0.3679, 0.3148 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

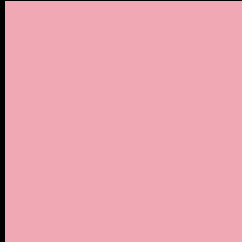
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.8667, 0.3679, 0.3148 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 49.8667, 0.3679, 0.3148**

## Background



This preview shows how black text looks on a background with the Yxy color 49.8667, 0.3679, 0.3148.



This preview shows how white text looks on a background with the Yxy color 49.8667, 0.3679, 0.3148.

# 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

49.8667, 0.3679, 0.3148

### Protanopia

50.2936, 0.3114, 0.3227

### Deuteranopia

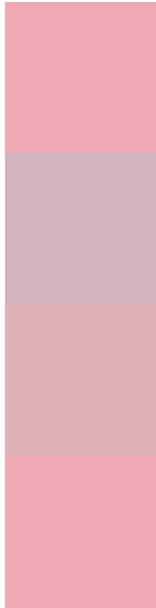
49.8577, 0.3388, 0.3315



## Tritanopia

49.8667, 0.3679, 0.3148

# Trichromacy



## Original Color

49.8667, 0.3679, 0.3148

## Protanomaly

49.6833, 0.3305, 0.3194

## Deuteranomaly

49.5616, 0.3487, 0.3244

## Tritanomaly

49.8667, 0.3679, 0.3148

# Monochromacy



## Original Color

49.8667, 0.3679, 0.3148

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

51.0101, 0.3318, 0.3243

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8667, 0.3679, 0.3148 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(240, 168, 181)` looks like.

```
.text, #text, p{  
    color:rgb(240, 168, 181)  
}
```

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(240, 168, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 168, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8667, 0.3679, 0.3148 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(240, 168, 181) }
```

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

```
.border{ border-color:rgb(240, 168, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 168, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 168, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 168, 181);  
box-shadow:4px 4px 4px 4px rgb(240, 168,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8667, 0.3679, 0.3148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 168, 181) }
```

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

```
.background{ background-color: rgb(240,  
168, 181) }
```

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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