

# Converting Colors

$Y_{xy}(49.8872, 0.3730, 0.3214)$

Have a look what the booklet for  
Yxy(49.8872, 0.3730, 0.3214)  
contains.

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# Color

**Yxy(50.0358, 0.3723, 0.3214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0A9B0
RGB	240, 169, 176
RGB Percent	94%, 66%, 69%
CMY	0.0588, 0.3372, 0.3097
CMYK	0.00, 0.30, 0.27, 0.06
HSL	354°, 70%, 80%
HSV	354°, 30%, 94%
XYZ	57.9600, 50.0358, 47.6850
YIQ	191.0270, 40.0690, 17.2290

# Conversions

## Conversions Part 2

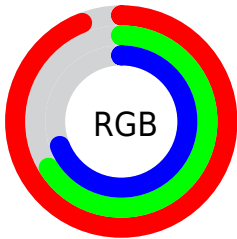
Format	Color
R <sub>Y</sub> B	240, 169, 176
Decimal	15772080
CIE Lab	76.09, 27.06, 6.90
CIE LCh	76, 27.921, 14.301
Yxy	50.0358, 0.3723, 0.3214
Android (android.graphics.Color)	4293962160 (0xFFFF0A9B0)
YUV	191.0270, -7.4083, 42.9493
Hunter-Lab	70.7360, 22.4721, 9.5462

# Details

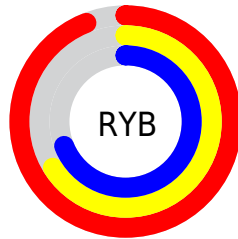
The Yxy color **50.0358, 0.3723, 0.3214** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **76.6365, 0.2736, 0.3369**, and the grayscale version is **52.1450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9366, 0.3292, 0.3221**, and **24.0133, 0.3892, 0.3177** is the 20% darker color. If you saturate the color by 10%, you get **41.1235, 0.4026, 0.3188**, and if you desaturate by 10%, it is **60.7281, 0.3477, 0.3241**.

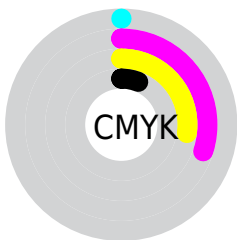
# Distribution



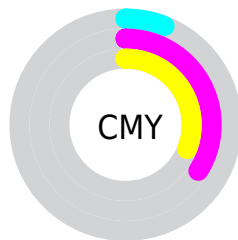
- Red (94%)
- Green (66%)
- Blue (69%)



- Red (94%)
- Yellow (66%)
- Blue (69%)



- Cyan (0%)
- Magenta (30%)
- Yellow (27%)
- Black (6%)




- Cyan (6%)
- Magenta (34%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0358, 0.3723, 0.3214 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 50.0358, 0.3723, 0.3214 by changing the saturation by 10% instead.





 50.0358, 0.3723,  
0.3214

 50.0358, 0.3723,  
0.3214

386.8059, 0.3426,  
0.3256

 35.4418, 0.3796,  
0.3202


 90.2279, 0.3616,  
0.3230

 24.0034, 0.3890,  
0.3186

116.5949, 0.3575,  
0.3236

 15.3362, 0.4015,  
0.3164


147.6549, 0.3541,  
0.3241

 9.0557, 0.4187,  
0.3131

183.7925, 0.3512,  
0.3245

 4.7775, 0.4439,  
0.3078

225.3920, 0.3486,  
0.3249

 2.1173, 0.4842,  
0.2981

272.8378, 0.3464,

 0.6743, 0.6001,

0.3252

0.2911

326.5143, 0.3444,  
0.3254

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.0358, 0.3723,  
0.3214

50.0358, 0.3723,  
0.3214

41.1235, 0.4026,  
0.3188

60.7281, 0.3477,  
0.3241

33.8878, 0.4390,  
0.3166

73.2823, 0.3280,  
0.3267

28.2259, 0.4811,  
0.3151

87.7836, 0.3121,  
0.3291

24.0204, 0.5265,  
0.3150

97.2647, 0.3035,  
0.3290

■ 21.1377, 0.5705,  
0.3168

■ 19.4195, 0.6067,  
0.3204

■ 18.6151, 0.6301,  
0.3248

■ 18.5894, 0.6308,  
0.3249

# Harmonies

## Analogous

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



50.0358, 0.3394, 0.2934



50.0358, 0.3723, 0.3214



50.0358, 0.3883, 0.3526

# Triad

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



50.0358, 0.3723, 0.3214



50.0358, 0.3212, 0.3930



50.0358, 0.2466, 0.2749

# Complementary

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



50.0358, 0.3723, 0.3214



76.6365, 0.2736, 0.3369

# 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.



50.0358, 0.2426, 0.2980



50.0358, 0.3723, 0.3214



50.0358, 0.2841, 0.3689

# Square

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



50.0358, 0.3723, 0.3214



50.0358, 0.3574, 0.3963



50.0358, 0.2558, 0.3327



50.0358, 0.2671, 0.2669



# Rectangle

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



50.0358, 0.3723, 0.3214



50.0358, 0.3868, 0.3719



50.0358, 0.2558, 0.3327



50.0358, 0.2434, 0.2810

# Sweetspot

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



50.0382, 0.3723, 0.3214



84.9601, 0.3270, 0.3268



51.9757, 0.3103, 0.2541



17.7016, 0.3296, 0.3264



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.



50.0382, 0.3723, 0.3214



51.5196, 0.3883, 0.3199



61.5051, 0.3699, 0.3602



15.7842, 0.3278, 0.3267



10.1851, 0.6286, 0.3237



0.8558, 0.6041, 0.3102



# Inverse Universe

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



50.0382, 0.3723, 0.3214



51.5196, 0.3883, 0.3199



61.6143, 0.2663, 0.2954



15.7842, 0.3278, 0.3267



10.1851, 0.6286, 0.3237



0.8558, 0.6041, 0.3102



# Previews

## White Background



This preview shows how the Yxy color 50.0358, 0.3723, 0.3214 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

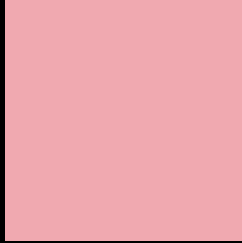
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.0358, 0.3723, 0.3214 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

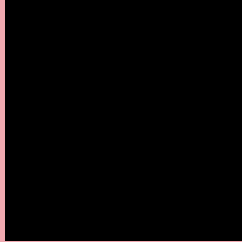
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.0358, 0.3723, 0.3214**

## Background



This preview shows how black text looks on a background with the Yxy color 50.0358, 0.3723, 0.3214.



This preview shows how white text looks on a background with the Yxy color 50.0358, 0.3723, 0.3214.

# 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

50.0358, 0.3723, 0.3214

### Protanopia

50.2923, 0.3177, 0.3303

### Deuteranopia

49.9526, 0.3448, 0.3376



## Tritanopia

50.0422, 0.3688, 0.3148

# Trichromacy



## Original Color

50.0358, 0.3723, 0.3214

## Protanomaly

49.5752, 0.3364, 0.3267

## Deuteranomaly

50.0690, 0.3547, 0.3315

## Tritanomaly

49.9607, 0.3707, 0.3170

# Monochromacy



## Original Color

50.0358, 0.3723, 0.3214

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

50.9675, 0.3326, 0.3255

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0358, 0.3723, 0.3214 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, 169, 176)` looks like.

```
.text, #text, p{  
    color:rgb(240, 169, 176)  
}
```

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, 169, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 169, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0358, 0.3723, 0.3214 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, 169, 176) }
```

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

```
.border{ border-color:rgb(240, 169, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 169, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 169, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 169, 176);  
box-shadow:4px 4px 4px 4px rgb(240, 169,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0358, 0.3723, 0.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 169, 176) }
```

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

```
.background{ background-color: rgb(240,  
169, 176) }
```

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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