

# Converting Colors

$Y_{xy}(49.9709, 0.3620, 0.3172)$

Have a look what the booklet for  
Yxy(49.9709, 0.3620, 0.3172)  
contains.

<b>Yxy(50.1242, 0.3626, 0.3179)</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(50.1242, 0.3626, 0.3179)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBABB5
RGB	235, 171, 181
RGB Percent	92%, 67%, 71%
CMY	0.0783, 0.3294, 0.2902
CMYK	0.00, 0.27, 0.23, 0.08
HSL	351°, 62%, 80%
HSV	351°, 27%, 92%
XYZ	57.1722, 50.1242, 50.3765
YIQ	191.2760, 34.9340, 16.6780

# Conversions

## Conversions Part 2

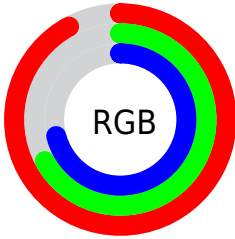
Format	Color
R <sub>Y</sub> B	235, 171, 181
Decimal	15444917
CIE Lab	76.15, 24.89, 4.18
CIE LCh	76, 25.242, 9.543
Yxy	50.1242, 0.3626, 0.3179
Android (android.graphics.Color)	4293634997 (0xFFEBABB5)
YUV	191.2760, -5.0661, 38.3459
Hunter-Lab	70.7984, 20.2476, 7.3712

# Details

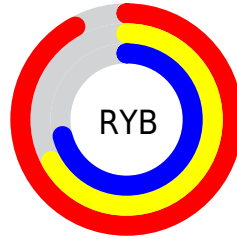
The Yxy color **50.1242, 0.3626, 0.3179** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **73.5302, 0.2784, 0.3406**, and the grayscale version is **52.2856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3126, 0.3257, 0.3192**, and **23.9804, 0.3768, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **41.2665, 0.3894, 0.3137**, and if you desaturate by 10%, it is **60.6810, 0.3408, 0.3222**.

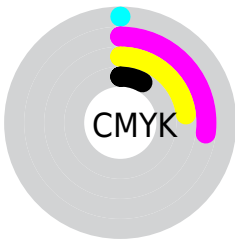
# Distribution



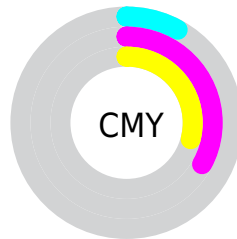
- Red (92%)
- Green (67%)
- Blue (71%)



- Red (92%)
- Yellow (67%)
- Blue (71%)



- Cyan (0%)
- Magenta (27%)
- Yellow (23%)
- Black (8%)




- Cyan (8%)
- Magenta (33%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1242, 0.3626, 0.3179 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 50.1242, 0.3626, 0.3179 by changing the saturation by 10% instead.




 50.1242, 0.3626,  
0.3179

 50.1242, 0.3626,  
0.3179

387.1514, 0.3378,  
0.3237

 35.5121, 0.3687,  
0.3164


 90.3589, 0.3536,  
0.3200

 24.0576, 0.3766,  
0.3145


116.7502, 0.3503,  
0.3208

 15.3764, 0.3869,  
0.3118


147.8368, 0.3474,  
0.3215

 9.0840, 0.4012,  
0.3080

184.0029, 0.3449,  
0.3221

 4.7960, 0.4223,  
0.3023

225.6331, 0.3428,  
0.3225

 2.1281, 0.4561,  
0.2923

273.1116, 0.3409,

 0.6803, 0.5401,

0.3230

0.2772

326.8229, 0.3393,  
0.3233

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.1242, 0.3626,  
0.3179

50.1242, 0.3626,  
0.3179

41.2665, 0.3894,  
0.3137

60.6810, 0.3408,  
0.3222

34.0125, 0.4219,  
0.3098

73.0119, 0.3233,  
0.3262

28.2677, 0.4599,  
0.3069

87.1961, 0.3091,  
0.3300

23.9254, 0.5022,  
0.3057

96.4078, 0.3006,  
0.3290

■ 20.8644, 0.5456,  
0.3070

■ 18.9429, 0.5848,  
0.3111

■ 17.9767, 0.6143,  
0.3177

■ 17.7997, 0.6208,  
0.3193

# Harmonies

## Analogous

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



50.1242, 0.3314, 0.2932



50.1242, 0.3626, 0.3179



50.1242, 0.3799, 0.3463

# Triad

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



50.1242, 0.3626, 0.3179



50.1242, 0.3261, 0.3883



50.1242, 0.2510, 0.2825

# Complementary

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



50.1242, 0.3626, 0.3179



73.5302, 0.2784, 0.3406

# 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.



50.1242, 0.2499, 0.3057



50.1242, 0.3626, 0.3179



50.1242, 0.2920, 0.3693

# Square

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



50.1242, 0.3626, 0.3179



50.1242, 0.3577, 0.3885



50.1242, 0.2644, 0.3379



50.1242, 0.2676, 0.2728



# Rectangle

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



50.1242, 0.3626, 0.3179



50.1242, 0.3808, 0.3643



50.1242, 0.2644, 0.3379



50.1242, 0.2489, 0.2889

# Sweetspot

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



50.1265, 0.3626, 0.3179



86.6084, 0.3245, 0.3259



51.0274, 0.3071, 0.2594



18.0333, 0.3270, 0.3253



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.



50.1265, 0.3626, 0.3179



53.7899, 0.3778, 0.3154



58.4559, 0.3656, 0.3530



15.0924, 0.3268, 0.3253



9.9150, 0.6178, 0.3177



0.7902, 0.5834, 0.2988



# Inverse Universe

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



50.1265, 0.3626, 0.3179



53.7899, 0.3778, 0.3154



62.5913, 0.2705, 0.3037



15.0924, 0.3268, 0.3253



9.9150, 0.6178, 0.3177



0.7902, 0.5834, 0.2988



# Previews

## White Background



This preview shows how the Yxy color 50.1242, 0.3626, 0.3179 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

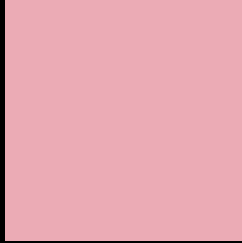
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.1242, 0.3626, 0.3179 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

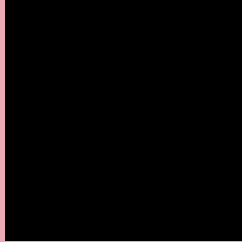
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.1242, 0.3626, 0.3179**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.1242, 0.3626, 0.3179.



This preview shows how white text looks on a background with the Yxy color 50.1242, 0.3626, 0.3179.

# 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

50.1242, 0.3626, 0.3179

### Protanopia

50.3347, 0.3137, 0.3252

### Deuteranopia

50.4122, 0.3395, 0.3327



## Tritanopia

50.2487, 0.3598, 0.3146

# Trichromacy



## Original Color

50.1242, 0.3626, 0.3179

## Protanomaly

49.9010, 0.3303, 0.3218

## Deuteranomaly

50.1961, 0.3474, 0.3267

## Tritanomaly

50.2069, 0.3607, 0.3157

# Monochromacy



## Original Color

50.1242, 0.3626, 0.3179

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

51.1342, 0.3299, 0.3254

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.1242, 0.3626, 0.3179 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(235, 171, 181)` looks like.

```
.text, #text, p{  
    color:rgb(235, 171, 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(235, 171, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 171, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 50.1242, 0.3626, 0.3179 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(235, 171, 181) }
```

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

```
.border{ border-color:rgb(235, 171, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 171, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 171, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 171, 181);  
box-shadow:4px 4px 4px 4px rgb(235, 171,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.1242, 0.3626, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 171, 181) }
```

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

```
.background{ background-color: rgb(235,  
171, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor