

# Converting Colors

$Yxy(45.7549, 0.3619, 0.3167)$

Have a look what the booklet for  
Yxy(45.7549, 0.3619, 0.3167)  
contains.

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# Color

**Yxy(45.8148, 0.3616, 0.3163)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2A4AF
RGB	226, 164, 175
RGB Percent	89%, 64%, 69%
CMY	0.1138, 0.3568, 0.3136
CMYK	0.00, 0.27, 0.23, 0.11
HSL	349°, 52%, 76%
HSV	349°, 27%, 89%
XYZ	52.3763, 45.8148, 46.6549
YIQ	183.7920, 33.4210, 16.5650

# Conversions

## Conversions Part 2

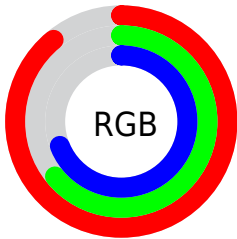
Format	Color
R <sub>Y</sub> B	226, 164, 175
Decimal	14853295
CIE Lab	73.43, 24.47, 3.40
CIE LCh	73, 24.705, 7.915
Yxy	45.8148, 0.3616, 0.3163
Android (android.graphics.Color)	4293043375 (0xFFE2A4AF)
YUV	183.7920, -4.3345, 37.0164
Hunter-Lab	67.6866, 19.6728, 6.5133

# Details

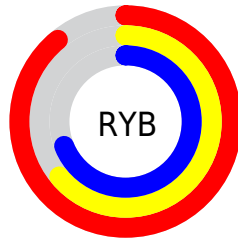
The Yxy color **45.8148, 0.3616, 0.3163** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **67.1832, 0.2790, 0.3423**, and the grayscale version is **47.8243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6362, 0.3313, 0.3181**, and **21.5644, 0.3758, 0.3123** is the 20% darker color. If you saturate the color by 10%, you get **37.7531, 0.3877, 0.3115**, and if you desaturate by 10%, it is **55.4184, 0.3404, 0.3211**.

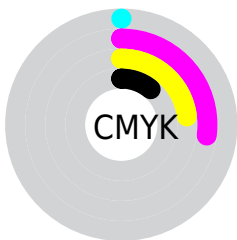
# Distribution



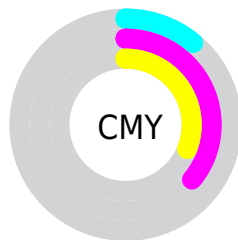
- Red (89%)
- Green (64%)
- Blue (69%)



- Red (89%)
- Yellow (64%)
- Blue (69%)



- Cyan (0%)
- Magenta (27%)
- Yellow (23%)
- Black (11%)



- Cyan (11%)
- Magenta (36%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8148, 0.3616, 0.3163 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 45.8148, 0.3616, 0.3163 by changing the saturation by 10% instead.




 45.8148, 0.3616,  
0.3163


 45.8148, 0.3616,  
0.3163


370.0636, 0.3370,  
0.3229

 32.0997, 0.3678,  
0.3146


 83.9418, 0.3526,  
0.3188

 21.4377, 0.3758,  
0.3123


 109.1224, 0.3492,  
0.3197

 13.4443, 0.3865,  
0.3092


138.8937, 0.3464,  
0.3204

 7.7352, 0.4015,  
0.3048

173.6400, 0.3440,  
0.3211

 3.9260, 0.4240,  
0.2979

213.7458, 0.3419,  
0.3216

 1.6322, 0.4613,  
0.2859

259.5954, 0.3400,

 0.3792, 0.6347,

0.3221

0.2499

311.5732, 0.3384,  
0.3225

0.0000, 0.0000,  
0.0000

45.8148, 0.3616,  
0.3163

45.8148, 0.3616,  
0.3163

37.7531, 0.3877,  
0.3115

55.4184, 0.3404,  
0.3211

31.1466, 0.4191,  
0.3071

66.6317, 0.3233,  
0.3258

25.9101, 0.4561,  
0.3037

79.5264, 0.3094,  
0.3301

21.9467, 0.4973,  
0.3022

94.1678, 0.2983,  
0.3340

19.1467, 0.5397,  
0.3033

94.9065, 0.2952,  
0.3289

■ 17.3820, 0.5788,  
0.3077

■ 16.4821, 0.6092,  
0.3148

■ 16.3210, 0.6156,  
0.3165

# Harmonies

## Analogous

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



45.8148, 0.3297, 0.2917



45.8148, 0.3616, 0.3163



45.8148, 0.3800, 0.3448

# Triad

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



45.8148, 0.3616, 0.3163



45.8148, 0.3280, 0.3893



45.8148, 0.2501, 0.2831

# Complementary

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



45.8148, 0.3616, 0.3163



67.1832, 0.2790, 0.3423

# 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.



45.8148, 0.2498, 0.3071



45.8148, 0.3616, 0.3163



45.8148, 0.2935, 0.3711

# Square

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



45.8148, 0.3616, 0.3163



45.8148, 0.3596, 0.3885



45.8148, 0.2653, 0.3398



45.8148, 0.2659, 0.2725



# Rectangle

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



45.8148, 0.3616, 0.3163



45.8148, 0.3816, 0.3631



45.8148, 0.2653, 0.3398



45.8148, 0.2482, 0.2897

# Sweetspot

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



45.8169, 0.3616, 0.3163



86.6343, 0.3242, 0.3255



46.4345, 0.3062, 0.2589



18.0398, 0.3266, 0.3248



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.



45.8169, 0.3616, 0.3163



53.8664, 0.3761, 0.3135



52.9767, 0.3662, 0.3519



13.7401, 0.3264, 0.3249



9.3247, 0.6124, 0.3147



0.6583, 0.5716, 0.2923



# Inverse Universe

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



45.8169, 0.3616, 0.3163



53.8664, 0.3761, 0.3135



57.6999, 0.2705, 0.3048



13.7401, 0.3264, 0.3249



9.3247, 0.6124, 0.3147



0.6583, 0.5716, 0.2923



# Previews

## White Background



This preview shows how the Yxy color 45.8148, 0.3616, 0.3163 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

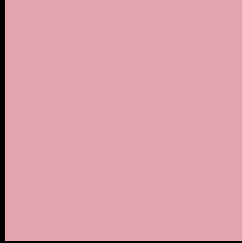
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.8148, 0.3616, 0.3163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

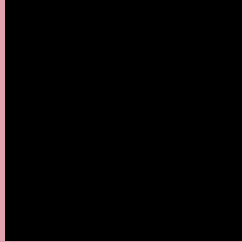
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.8148, 0.3616, 0.3163**

## Background



This preview shows how black text looks on a background with the Yxy color 45.8148, 0.3616, 0.3163.



This preview shows how white text looks on a background with the Yxy color 45.8148, 0.3616, 0.3163.

# 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

45.8148, 0.3616, 0.3163

### Protanopia

46.1705, 0.3121, 0.3238

### Deuteranopia

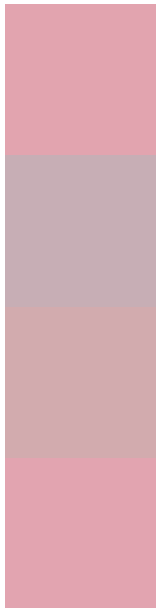
46.0946, 0.3378, 0.3316



## Tritanopia

45.8543, 0.3607, 0.3152

# Trichromacy



## Original Color

45.8148, 0.3616, 0.3163

## Protanomaly

45.7504, 0.3292, 0.3203

## Deuteranomaly

45.8835, 0.3460, 0.3254

## Tritanomaly

45.8543, 0.3607, 0.3152

# Monochromacy



## Original Color

45.8148, 0.3616, 0.3163

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

46.9226, 0.3288, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.8148, 0.3616, 0.3163 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(226, 164, 175)` looks like.

```
.text, #text, p{  
    color:rgb(226, 164, 175)  
}
```

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(226, 164, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 164, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 45.8148, 0.3616, 0.3163 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(226, 164, 175) }
```

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

```
.border{ border-color:rgb(226, 164, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 164, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 164, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 164, 175);  
box-shadow:4px 4px 4px 4px rgb(226, 164,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.8148, 0.3616, 0.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 164, 175) }
```

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

```
.background{ background-color: rgb(226,  
164, 175) }
```

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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