

# Converting Colors

$Y_{xy}(45.5072, 0.3497, 0.2839)$

Have a look what the booklet for  
Yxy(45.5072, 0.3497, 0.2839)  
contains.

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# **Color**

**Yxy(45.6376, 0.3496, 0.2846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA9DC5
RGB	234, 157, 197
RGB Percent	92%, 62%, 77%
CMY	0.0824, 0.3843, 0.2276
CMYK	0.00, 0.33, 0.16, 0.08
HSL	329°, 65%, 77%
HSV	329°, 33%, 92%
XYZ	56.0608, 45.6376, 58.6586
YIQ	184.5830, 33.0520, 28.7640

# Conversions

## Conversions Part 2

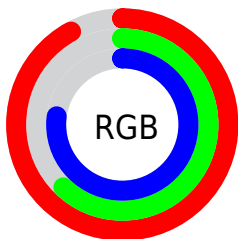
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	234, 157, 197
Decimal	15375813
CIE Lab	73.31, 34.36, -8.75
CIE LCh	73, 35.460, 345.706
Yxy	45.6376, 0.3496, 0.2846
Android (android.graphics.Color)	4293565893 (0xFFEA9DC5)
YUV	184.5830, 6.1216, 43.3387
Hunter-Lab	67.5556, 29.9053, -4.1926

# Details

The Yxy color **45.6376, 0.3496, 0.2846** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **69.9054, 0.2873, 0.3784**, and the grayscale version is **48.2246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5027, 0.3154, 0.2880**, and **21.2309, 0.3600, 0.2726** is the 20% darker color. If you saturate the color by 10%, you get **37.9682, 0.3656, 0.2710**, and if you desaturate by 10%, it is **54.8659, 0.3360, 0.2986**.

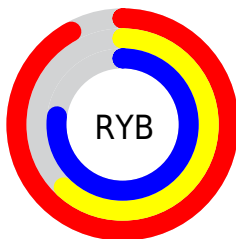
# Distribution



Red (92%)

Green (62%)

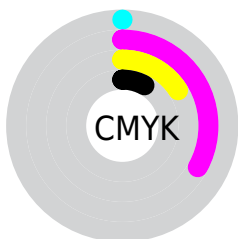
Blue (77%)



Red (92%)

Yellow (62%)

Blue (77%)

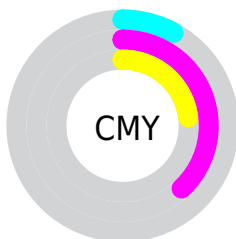


Cyan (0%)

Magenta (33%)

Yellow (16%)

Black (8%)



Cyan (8%)

Magenta (38%)


Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6376, 0.3496, 0.2846 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 45.6376, 0.3496, 0.2846 by changing the saturation by 10% instead.




 45.6376, 0.3496,  
0.2846


 45.6376, 0.3496,  
0.2846


369.3498, 0.3315,  
0.3061

 31.9599, 0.3540,  
0.2794


 83.6764, 0.3431,  
0.2923

 21.3309, 0.3596,  
0.2729


 108.8063, 0.3406,  
0.2952

 13.3661, 0.3670,  
0.2645


138.5224, 0.3385,  
0.2977

 7.6811, 0.3771,  
0.2531

173.2091, 0.3367,  
0.2998

 3.8916, 0.3918,  
0.2369

213.2508, 0.3352,  
0.3017

 1.6131, 0.4149,  
0.2121

259.0319, 0.3338,

 0.3664, 0.4729,

0.3033

0.1401

310.9367, 0.3326,  
0.3048

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.6376, 0.3496,  
0.2846

45.6376, 0.3496,  
0.2846

37.9682, 0.3656,  
0.2710

54.8659, 0.3360,  
0.2986

31.7636, 0.3842,  
0.2585

65.7274, 0.3246,  
0.3123

26.9295, 0.4050,  
0.2482

78.2993, 0.3151,  
0.3254

23.3578, 0.4278,  
0.2414

92.6522, 0.3073,  
0.3376

■ 20.9238, 0.4514,  
0.2393

■ 96.1174, 0.3009,  
0.3307

■ 19.4767, 0.4748,  
0.2426

■ 96.2305, 0.2999,  
0.3290

■ 18.8821, 0.4909,  
0.2478

# Harmonies

## Analogous

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



45.6376, 0.2987, 0.2595



45.6376, 0.3496, 0.2846



45.6376, 0.3926, 0.3201

# Triad

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



45.6376, 0.3496, 0.2846



45.6376, 0.3680, 0.4176



45.6376, 0.2225, 0.2858

# Complementary

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



45.6376, 0.3496, 0.2846



69.9054, 0.2873, 0.3784

# 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.



45.6376, 0.2378, 0.3306



45.6376, 0.3496, 0.2846



45.6376, 0.3203, 0.4136

# Square

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



45.6376, 0.3496, 0.2846



45.6376, 0.4023, 0.3957



45.6376, 0.2728, 0.3800



45.6376, 0.2287, 0.2578



# Rectangle

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



45.6376, 0.3496, 0.2846



45.6376, 0.4089, 0.3465



45.6376, 0.2728, 0.3800



45.6376, 0.2252, 0.2992

# Sweetspot

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



45.6397, 0.3496, 0.2846



84.0309, 0.3217, 0.3161



41.3884, 0.2817, 0.2385



17.5425, 0.3231, 0.3142



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.



45.6397, 0.3496, 0.2846



49.3995, 0.3594, 0.2759



44.1333, 0.3866, 0.3263



15.1846, 0.3212, 0.3168



10.6375, 0.4876, 0.2460



0.8547, 0.4582, 0.2298



# Inverse Universe

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



45.6397, 0.3496, 0.2846



49.3995, 0.3594, 0.2759



71.8022, 0.2672, 0.3319



15.1846, 0.3212, 0.3168



10.6375, 0.4876, 0.2460

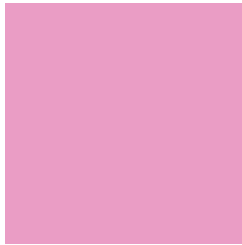


0.8547, 0.4582, 0.2298



# Previews

## White Background



This preview shows how the Yxy color 45.6376, 0.3496, 0.2846 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

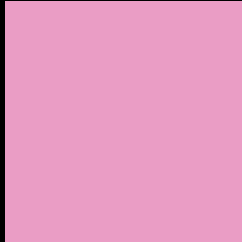
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.6376, 0.3496, 0.2846 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

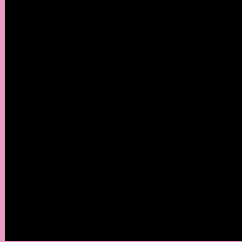
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.6376, 0.3496, 0.2846**

## Background



This preview shows how black text looks on a background with the Yxy color 45.6376, 0.3496, 0.2846.



This preview shows how white text looks on a background with the Yxy color 45.6376, 0.3496, 0.2846.

# 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

45.6376, 0.3496, 0.2846

### Protanopia

45.9420, 0.2844, 0.2883

### Deuteranopia

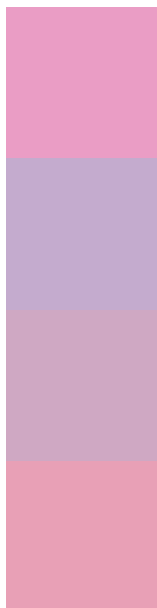
45.7615, 0.3121, 0.3051



## Tritanopia

45.4958, 0.3691, 0.3154

# Trichromacy



## Original Color

45.6376, 0.3496, 0.2846

## Protanomaly

45.3178, 0.3060, 0.2861

## Deuteranomaly

45.2108, 0.3251, 0.2964

## Tritanomaly

45.6748, 0.3615, 0.3041

# Monochromacy



## Original Color

45.6376, 0.3496, 0.2846

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

47.0306, 0.3259, 0.3119

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6376, 0.3496, 0.2846 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(234, 157, 197)` looks like.

```
.text, #text, p{  
    color:rgb(234, 157, 197)  
}
```

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(234, 157, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 157, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6376, 0.3496, 0.2846 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(234, 157, 197) }
```

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

```
.border{ border-color:rgb(234, 157, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 157, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 157, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 157, 197);  
box-shadow:4px 4px 4px 4px rgb(234, 157,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6376, 0.3496, 0.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 157, 197) }
```

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

```
.background{ background-color: rgb(234,  
157, 197) }
```

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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