

# Converting Colors

$Y_{xy}(46.8237, 0.3567, 0.2916)$

Have a look what the booklet for  
Yxy(46.8237, 0.3567, 0.2916)  
contains.

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# Color

**Yxy(46.8237, 0.3567, 0.2916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EE9FC1
RGB	238, 159, 193
RGB Percent	93%, 62%, 76%
CMY	0.0668, 0.3764, 0.2431
CMYK	0.00, 0.33, 0.19, 0.07
HSL	334°, 70%, 78%
HSV	334°, 33%, 93%
XYZ	57.2771, 46.8237, 56.4743
YIQ	186.4970, 36.1700, 27.3220

# Conversions

## Conversions Part 2

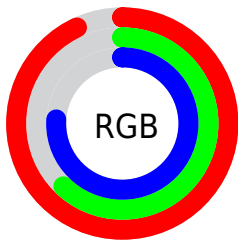
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 159, 193
Decimal	15638465
CIE Lab	74.08, 34.07, -5.39
CIE LCh	74, 34.490, 351.015
Yxy	46.8237, 0.3567, 0.2916
Android (android.graphics.Color)	4293828545 (0xFFEE9FC1)
YUV	186.4970, 3.2060, 45.1681
Hunter-Lab	68.4278, 29.6637, -1.0332

# Details

The Yxy color **46.8237, 0.3567, 0.2916** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **72.8649, 0.2833, 0.3701**, and the grayscale version is **49.3640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1927, 0.3186, 0.2947**, and **22.0253, 0.3687, 0.2806** is the 20% darker color. If you saturate the color by 10%, you get **38.8354, 0.3761, 0.2802**, and if you desaturate by 10%, it is **56.4473, 0.3404, 0.3033**.

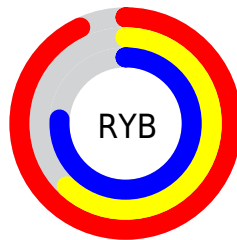
# Distribution



Red (93%)

Green (62%)

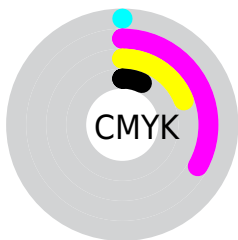
Blue (76%)



Red (93%)

Yellow (62%)

Blue (76%)

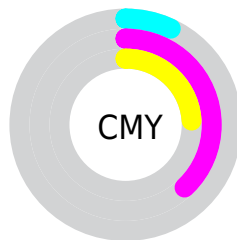


Cyan (0%)

Magenta (33%)

Yellow (19%)

Black (7%)



Cyan (7%)

Magenta (38%)


Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8237, 0.3567, 0.2916 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 46.8237, 0.3567, 0.2916 by changing the saturation by 10% instead.




 46.8237, 0.3567,  
0.2916


 46.8237, 0.3567,  
0.2916


374.1104, 0.3350,  
0.3098

 32.8963, 0.3620,  
0.2872


 85.4504, 0.3489,  
0.2981

 22.0470, 0.3689,  
0.2816


 110.9185, 0.3459,  
0.3006

 13.8915, 0.3778,  
0.2744


141.0023, 0.3434,  
0.3027

 8.0452, 0.3902,  
0.2645

176.0862, 0.3412,  
0.3045

 4.1239, 0.4083,  
0.2503

216.5545, 0.3394,  
0.3061

 1.7431, 0.4371,  
0.2284

262.7917, 0.3377,

 0.4513, 0.5027,

0.3075

0.1701

315.1822, 0.3363,  
0.3087

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

46.8237, 0.3567,  
0.2916

46.8237, 0.3567,  
0.2916

38.8354, 0.3761,  
0.2802

56.4473, 0.3404,  
0.3033

32.3837, 0.3988,  
0.2699

67.7845, 0.3269,  
0.3148

27.3692, 0.4246,  
0.2617

80.9165, 0.3158,  
0.3257

23.6781, 0.4529,  
0.2570

95.9173, 0.3067,  
0.3359

■ 21.1790, 0.4822,  
0.2571

■ 96.9124, 0.3023,  
0.3290

■ 19.7129, 0.5107,  
0.2626

■ 19.1404, 0.5290,  
0.2688

# Harmonies

## Analogous

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



46.8237, 0.3078, 0.2650



46.8237, 0.3567, 0.2916



46.8237, 0.3950, 0.3272

# Triad

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



46.8237, 0.3567, 0.2916



46.8237, 0.3587, 0.4158



46.8237, 0.2250, 0.2813

# Complementary

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



46.8237, 0.3567, 0.2916



72.8649, 0.2833, 0.3701

# 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.



46.8237, 0.2362, 0.3222



46.8237, 0.3567, 0.2916



46.8237, 0.3117, 0.4065

# Square

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



46.8237, 0.3567, 0.2916



46.8237, 0.3949, 0.3986



46.8237, 0.2672, 0.3702



46.8237, 0.2346, 0.2574



# Rectangle

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



46.8237, 0.3567, 0.2916



46.8237, 0.4075, 0.3529



46.8237, 0.2672, 0.3702



46.8237, 0.2264, 0.2933

# Sweetspot

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



46.8259, 0.3567, 0.2916



83.8954, 0.3232, 0.3183



43.7778, 0.2878, 0.2392



17.5098, 0.3248, 0.3167



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.



46.8259, 0.3567, 0.2916



48.0695, 0.3699, 0.2836



47.3286, 0.3883, 0.3351



15.8718, 0.3226, 0.3189



10.7060, 0.5251, 0.2667



0.9102, 0.4918, 0.2483



# Inverse Universe

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



46.8259, 0.3567, 0.2916



48.0695, 0.3699, 0.2836



71.6575, 0.2648, 0.3227



15.8718, 0.3226, 0.3189



10.7060, 0.5251, 0.2667



0.9102, 0.4918, 0.2483



# Previews

## White Background



This preview shows how the Yxy color 46.8237, 0.3567, 0.2916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

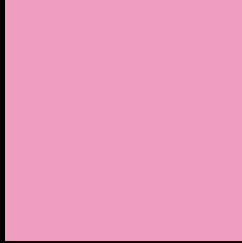
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.8237, 0.3567, 0.2916 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

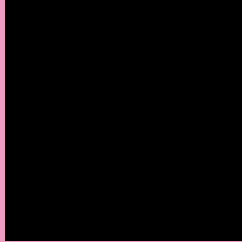
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.8237, 0.3567, 0.2916**

## Background



This preview shows how black text looks on a background with the Yxy color 46.8237, 0.3567, 0.2916.



This preview shows how white text looks on a background with the Yxy color 46.8237, 0.3567, 0.2916.

# 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

46.8237, 0.3567, 0.2916

### Protanopia

47.1364, 0.2913, 0.2961

### Deuteranopia

47.0323, 0.3196, 0.3128



## Tritanopia

46.7687, 0.3716, 0.3145

# Trichromacy



## Original Color

46.8237, 0.3567, 0.2916



## Protanomaly

46.4308, 0.3126, 0.2937



## Deuteranomaly

46.5081, 0.3328, 0.3039



## Tritanomaly

46.8717, 0.3660, 0.3057

# Monochromacy



## Original Color

46.8237, 0.3567, 0.2916



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

48.2402, 0.3283, 0.3145

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8237, 0.3567, 0.2916 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(238, 159, 193)` looks like.

```
.text, #text, p{  
    color:rgb(238, 159, 193)  
}
```

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(238, 159, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 159, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8237, 0.3567, 0.2916 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(238, 159, 193) }
```

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

```
.border{ border-color:rgb(238, 159, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 159, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 159, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 159, 193);  
box-shadow:4px 4px 4px 4px rgb(238, 159,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8237, 0.3567, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 159, 193) }
```

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

```
.background{ background-color: rgb(238,  
159, 193) }
```

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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