

# Converting Colors

$Y_{xy}(46.7039, 0.3585, 0.2968)$

Have a look what the booklet for  
Yxy(46.7039, 0.3585, 0.2968)  
contains.

<b>Yxy(46.6486, 0.3585, 0.2968)</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(46.6486, 0.3585, 0.2968)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECA0BD
RGB	236, 160, 189
RGB Percent	93%, 63%, 74%
CMY	0.0745, 0.3725, 0.2588
CMYK	0.00, 0.32, 0.20, 0.07
HSL	337°, 67%, 78%
HSV	337°, 32%, 93%
XYZ	56.3461, 46.6486, 54.1771
YIQ	186.0300, 35.9870, 25.1310

# Conversions

## Conversions Part 2

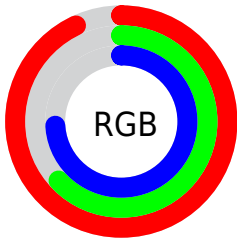
Format	Color
R <sub>Y</sub> B	236, 160, 189
Decimal	15507645
CIE Lab	73.96, 32.25, -3.37
CIE LCh	74, 32.426, 354.032
Yxy	46.6486, 0.3585, 0.2968
Android (android.graphics.Color)	4293697725 (0xFFECA0BD)
YUV	186.0300, 1.4642, 43.8237
Hunter-Lab	68.2998, 27.7347, 0.7795

# Details

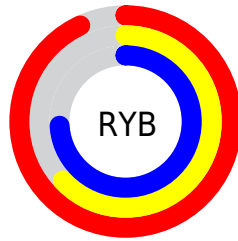
The Yxy color  $46.6486, 0.3585, 0.2968$  is a light color, and the websafe version is hex  $\text{FF99CC}$ . A complement of this color would be  $71.9666, 0.2820, 0.3640$ , and the grayscale version is  $49.0983, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.4534, 0.3213, 0.2995$ , and  $21.8767, 0.3713, 0.2871$  is the 20% darker color. If you saturate the color by 10%, you get  $38.6276, 0.3794, 0.2866$ , and if you desaturate by 10%, it is  $56.2907, 0.3411, 0.3072$ .

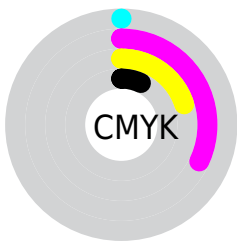
# Distribution



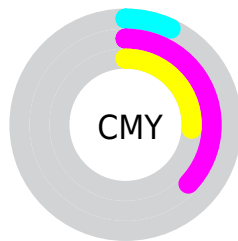
- Red (93%)
- Green (63%)
- Blue (74%)



- Red (93%)
- Yellow (63%)
- Blue (74%)



- Cyan (0%)
- Magenta (32%)
- Yellow (20%)
- Black (7%)




- Cyan (7%)
- Magenta (37%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6486, 0.3585, 0.2968 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 46.6486, 0.3585, 0.2968 by changing the saturation by 10% instead.





 46.6486, 0.3585,  
0.2968

 46.6486, 0.3585,  
0.2968


373.4101, 0.3358,  
0.3126

 32.7579, 0.3641,  
0.2929


 85.1889, 0.3503,  
0.3025

 21.9411, 0.3713,  
0.2880


 110.6072, 0.3472,  
0.3046

 13.8136, 0.3808,  
0.2816


140.6370, 0.3445,  
0.3065

 7.9911, 0.3940,  
0.2728

175.6625, 0.3423,  
0.3080

 4.0893, 0.4134,  
0.2599

216.0682, 0.3403,  
0.3094

 1.7236, 0.4447,  
0.2397

262.2384, 0.3386,

 0.4389, 0.5221,

0.3106

0.1820

314.5576, 0.3371,  
0.3117

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 46.6486, 0.3585,  
0.2968

■ 46.6486, 0.3585,  
0.2968

■ 38.6276, 0.3794,  
0.2866

■ 56.2907, 0.3411,  
0.3072

■ 32.1312, 0.4040,  
0.2774

■ 67.6303, 0.3268,  
0.3174

■ 27.0626, 0.4323,  
0.2701

■ 80.7469, 0.3150,  
0.3270

■ 23.3113, 0.4633,  
0.2661

■ 95.7129, 0.3054,  
0.3359

■ 20.7500, 0.4956,  
0.2666

■ 96.5717, 0.3011,  
0.3290

■ 19.2257, 0.5268,  
0.2724

■ 18.5705, 0.5491,  
0.2799

# Harmonies

## Analogous

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



46.6486, 0.3128, 0.2704



46.6486, 0.3585, 0.2968



46.6486, 0.3926, 0.3312

# Triad

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



46.6486, 0.3585, 0.2968



46.6486, 0.3520, 0.4110



46.6486, 0.2297, 0.2811

# Complementary

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



46.6486, 0.3585, 0.2968



71.9666, 0.2820, 0.3640

# 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.



46.6486, 0.2385, 0.3185



46.6486, 0.3585, 0.2968



46.6486, 0.3075, 0.3992

# Square

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



46.6486, 0.3585, 0.2968



46.6486, 0.3876, 0.3974



46.6486, 0.2662, 0.3634



46.6486, 0.2408, 0.2601



# Rectangle

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



46.6486, 0.3585, 0.2968



46.6486, 0.4027, 0.3556



46.6486, 0.2662, 0.3634



46.6486, 0.2304, 0.2920

# Sweetspot

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



46.6508, 0.3585, 0.2968



83.8212, 0.3240, 0.3195



44.4469, 0.2919, 0.2429



17.4919, 0.3258, 0.3181



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.



46.6508, 0.3585, 0.2968



48.7584, 0.3727, 0.2896



48.6994, 0.3838, 0.3392



15.1492, 0.3233, 0.3200



10.2604, 0.5449, 0.2776



0.8239, 0.5075, 0.2569



# Inverse Universe

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



46.6508, 0.3585, 0.2968



48.7584, 0.3727, 0.2896



68.5387, 0.2655, 0.3184



15.1492, 0.3233, 0.3200



10.2604, 0.5449, 0.2776



0.8239, 0.5075, 0.2569



# Previews

## White Background



This preview shows how the Yxy color 46.6486, 0.3585, 0.2968 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

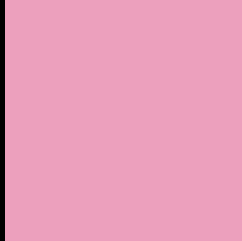
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.6486, 0.3585, 0.2968 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

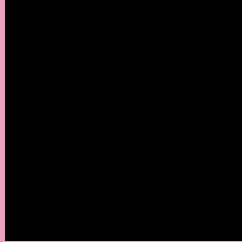
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.6486, 0.3585, 0.2968**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.6486, 0.3585, 0.2968.



This preview shows how white text looks on a background with the Yxy color 46.6486, 0.3585, 0.2968.

# 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

46.6486, 0.3585, 0.2968

### Protanopia

47.0153, 0.2958, 0.3023

### Deuteranopia

46.9952, 0.3238, 0.3178



## Tritanopia

46.4282, 0.3697, 0.3144

# Trichromacy



## Original Color

46.6486, 0.3585, 0.2968

## Protanomaly

46.1977, 0.3167, 0.2996

## Deuteranomaly

46.7107, 0.3362, 0.3098

## Tritanomaly

46.4472, 0.3660, 0.3078

# Monochromacy



## Original Color

46.6486, 0.3585, 0.2968

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

47.8695, 0.3282, 0.3168

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.6486, 0.3585, 0.2968 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(236, 160, 189)` looks like.

```
.text, #text, p{  
    color:rgb(236, 160, 189)  
}
```

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(236, 160, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 160, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 46.6486, 0.3585, 0.2968 is called "border". The border property can be set on classes, ids or directly on the HTML element.

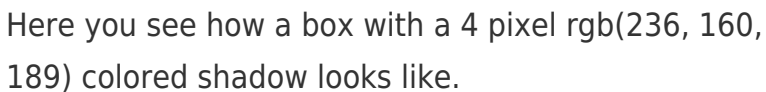
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 160, 189) }
```

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

```
.border{ border-color:rgb(236, 160, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(236, 160, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 160, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 160, 189); box-shadow:4px 4px 4px 4px rgb(236, 160, 189) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.6486, 0.3585, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 160, 189) }
```

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

```
.background{ background-color: rgb(236,  
160, 189) }
```

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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