

# Converting Colors

$Yxy(46.9347, 0.3454, 0.3011)$

Have a look what the booklet for  
Yxy(46.9347, 0.3454, 0.3011)  
contains.

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# Color

**Yxy(46.8374, 0.3453, 0.3013)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0A6BE
RGB	224, 166, 190
RGB Percent	88%, 65%, 75%
CMY	0.1215, 0.3490, 0.2548
CMYK	0.00, 0.26, 0.15, 0.12
HSL	335°, 48%, 76%
HSV	335°, 26%, 88%
XYZ	53.6772, 46.8374, 54.9364
YIQ	186.0780, 26.8640, 19.7600

# Conversions

## Conversions Part 2

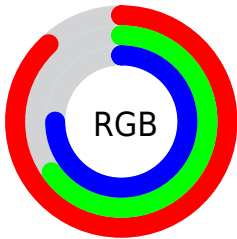
Format	Color
R <sub>Y</sub> B	224, 166, 190
Decimal	14722750
CIE Lab	74.09, 24.99, -3.90
CIE LCh	74, 25.291, 351.130
Yxy	46.8374, 0.3453, 0.3013
Android (android.graphics.Color)	4292912830 (0xFFE0A6BE)
YUV	186.0780, 1.9335, 33.2576
Hunter-Lab	68.4379, 20.2350, 0.3133

# Details

The Yxy color **46.8374, 0.3453, 0.3013** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **65.5993, 0.2887, 0.3586**, and the grayscale version is **49.1286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6267, 0.3202, 0.3045**, and **22.1656, 0.3539, 0.2940** is the 20% darker color. If you saturate the color by 10%, you get **38.8438, 0.3628, 0.2901**, and if you desaturate by 10%, it is **56.3055, 0.3307, 0.3124**.

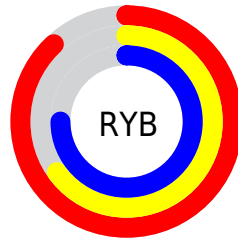
# Distribution



Red (88%)

Green (65%)

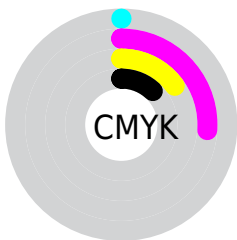
Blue (75%)



Red (88%)

Yellow (65%)

Blue (75%)

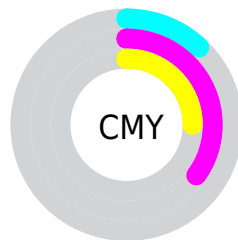


Cyan (0%)

Magenta (26%)

Yellow (15%)

Black (12%)



Cyan (12%)

Magenta (35%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8374, 0.3453, 0.3013 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 46.8374, 0.3453, 0.3013 by changing the saturation by 10% instead.





 46.8374, 0.3453,  
0.3013

 46.8374, 0.3453,  
0.3013

374.1651, 0.3291,  
0.3149

 32.9071, 0.3493,  
0.2980


 85.4709, 0.3395,  
0.3062

 22.0553, 0.3544,  
0.2938


 110.9428, 0.3373,  
0.3080

 13.8975, 0.3611,  
0.2882


141.0309, 0.3354,  
0.3096

 8.0494, 0.3705,  
0.2806

176.1193, 0.3338,  
0.3110

 4.1266, 0.3843,  
0.2696

216.5925, 0.3324,  
0.3121

 1.7446, 0.4066,  
0.2521

262.8350, 0.3312,

 0.4523, 0.4645,

0.3132

0.1990

315.2311, 0.3301,  
0.3141

0.0000, 0.0000,  
0.0000

46.8374, 0.3453,  
0.3013

46.8374, 0.3453,  
0.3013

38.8438, 0.3628,  
0.2901

56.3055, 0.3307,  
0.3124

32.2435, 0.3837,  
0.2793

67.3112, 0.3188,  
0.3230

26.9568, 0.4079,  
0.2699

79.9217, 0.3089,  
0.3330

22.8937, 0.4353,  
0.2629

93.8133, 0.3008,  
0.3416

19.9524, 0.4649,  
0.2596

94.5908, 0.2941,  
0.3289

■ 18.0147, 0.4951,  
0.2613

■ 16.9342, 0.5239,  
0.2684

■ 16.6366, 0.5351,  
0.2721

# Harmonies

## Analogous

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



46.8374, 0.3097, 0.2809



46.8374, 0.3453, 0.3013



46.8374, 0.3729, 0.3287

# Triad

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



46.8374, 0.3453, 0.3013



46.8374, 0.3472, 0.3923



46.8374, 0.2469, 0.2944

# Complementary

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



46.8374, 0.3453, 0.3013



65.5993, 0.2887, 0.3586

# 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.



46.8374, 0.2557, 0.3247



46.8374, 0.3453, 0.3013



46.8374, 0.3126, 0.3845

# Square

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



46.8374, 0.3453, 0.3013



46.8374, 0.3734, 0.3813



46.8374, 0.2793, 0.3588



46.8374, 0.2543, 0.2758



# Rectangle

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



46.8374, 0.3453, 0.3013



46.8374, 0.3820, 0.3481



46.8374, 0.2793, 0.3588



46.8374, 0.2481, 0.3035

# Sweetspot

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



46.8395, 0.3453, 0.3013



86.9217, 0.3211, 0.3208



44.9111, 0.2952, 0.2606



18.1118, 0.3229, 0.3192



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.



46.8395, 0.3453, 0.3013



56.8786, 0.3542, 0.2953



47.6652, 0.3664, 0.3348



13.7942, 0.3227, 0.3193



9.7033, 0.5312, 0.2700



0.6901, 0.4912, 0.2480



# Inverse Universe

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



46.8395, 0.3453, 0.3013



56.8786, 0.3542, 0.2953



64.2495, 0.2744, 0.3231



13.7942, 0.3227, 0.3193



9.7033, 0.5312, 0.2700

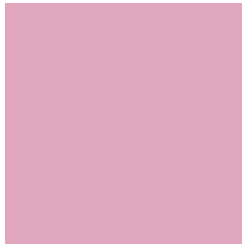


0.6901, 0.4912, 0.2480



# Previews

## White Background



This preview shows how the Yxy color 46.8374, 0.3453, 0.3013 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

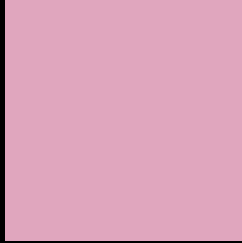
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.8374, 0.3453, 0.3013 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

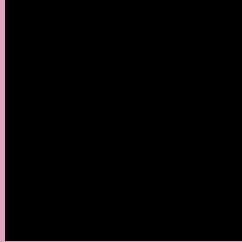
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.8374, 0.3453, 0.3013**

## Background



This preview shows how black text looks on a background with the Yxy color 46.8374, 0.3453, 0.3013.



This preview shows how white text looks on a background with the Yxy color 46.8374, 0.3453, 0.3013.

# 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

46.8374, 0.3453, 0.3013

### Protanopia

46.9950, 0.2988, 0.3060

### Deuteranopia

47.0809, 0.3221, 0.3153



## Tritanopia

47.0294, 0.3523, 0.3139

# Trichromacy



## Original Color

46.8374, 0.3453, 0.3013

## Protanomaly

46.9065, 0.3147, 0.3043

## Deuteranomaly

46.8267, 0.3297, 0.3096

## Tritanomaly

46.7861, 0.3497, 0.3093

# Monochromacy



## Original Color

46.8374, 0.3453, 0.3013

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

48.1074, 0.3245, 0.3191

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8374, 0.3453, 0.3013 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(224, 166, 190)` looks like.

```
.text, #text, p{  
    color:rgb(224, 166, 190)  
}
```

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(224, 166, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 166, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8374, 0.3453, 0.3013 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(224, 166, 190) }
```

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

```
.border{ border-color:rgb(224, 166, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 166, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 166, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 166, 190);  
box-shadow:4px 4px 4px 4px rgb(224, 166,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8374, 0.3453, 0.3013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 166, 190) }
```

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

```
.background{ background-color: rgb(224,  
166, 190) }
```

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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