

# Converting Colors

$Y_{xy}(42.2581, 0.3476, 0.2788)$

Have a look what the booklet for  
Yxy(42.2581, 0.3476, 0.2788)  
contains.

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# Color

**Yxy(42.2017, 0.3480, 0.2790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E496C2
RGB	228, 150, 194
RGB Percent	89%, 59%, 76%
CMY	0.1059, 0.4117, 0.2391
CMYK	0.00, 0.34, 0.15, 0.11
HSL	326°, 59%, 74%
HSV	326°, 34%, 89%
XYZ	52.6387, 42.2017, 56.4202
YIQ	178.3380, 32.3640, 30.2200

# Conversions

## Conversions Part 2

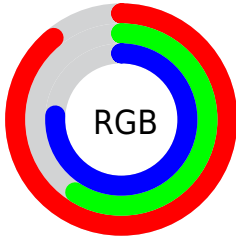
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 150, 194
Decimal	14980802
CIE Lab	71.01, 35.56, -10.62
CIE LCh	71, 37.117, 343.368
Yxy	42.2017, 0.3480, 0.2790
Android (android.graphics.Color)	4293170882 (0xFFE496C2)
YUV	178.3380, 7.7214, 43.5536
Hunter-Lab	64.9628, 30.9516, -6.0194

# Details

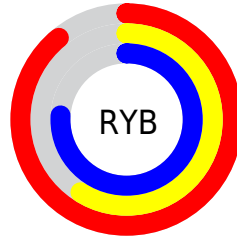
The Yxy color  $42.2017, 0.3480, 0.2790$  is a light color, and the websafe version is hex  $\text{FF99CC}$ . A complement of this color would be  $65.4280, 0.2884, 0.3854$ , and the grayscale version is  $44.6560, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $71.8877, 0.3178, 0.2838$ , and  $19.2867, 0.3579, 0.2666$  is the 20% darker color. If you saturate the color by 10%, you get  $35.1896, 0.3627, 0.2644$ , and if you desaturate by 10%, it is  $50.6631, 0.3354, 0.2941$ .

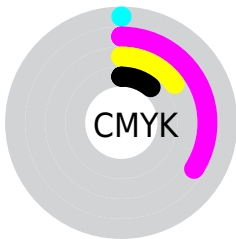
# Distribution



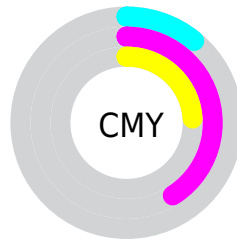
- Red (89%)
- Green (59%)
- Blue (76%)



- Red (89%)
- Yellow (59%)
- Blue (76%)



- Cyan (0%)
- Magenta (34%)
- Yellow (15%)
- Black (11%)




- Cyan (11%)
- Magenta (41%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2017, 0.3480, 0.2790 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 42.2017, 0.3480, 0.2790 by changing the saturation by 10% instead.




 42.2017, 0.3480,  
0.2790


 42.2017, 0.3480,  
0.2790


355.3184, 0.3306,  
0.3034

 29.2593, 0.3523,  
0.2731

 78.5048, 0.3417,  
0.2877

 19.2770, 0.3577,  
0.2657

 102.6342, 0.3394,  
0.2910

 11.8706, 0.3649,  
0.2559


131.2615, 0.3373,  
0.2938

 6.6556, 0.3748,  
0.2428

164.7709, 0.3356,  
0.2963

 3.2477, 0.3892,  
0.2239

203.5469, 0.3341,  
0.2984

 1.2624, 0.4121,  
0.1949

247.9739, 0.3328,

 0.1118, 0.5013,

0.3003

0.0571

298.4363, 0.3316,  
0.3019

0.0000, 0.0000,  
0.0000

42.2017, 0.3480,  
0.2790

42.2017, 0.3480,  
0.2790

35.1896, 0.3627,  
0.2644

50.6631, 0.3354,  
0.2941

29.5379, 0.3794,  
0.2511

60.6442, 0.3249,  
0.3089

25.1569, 0.3981,  
0.2402

72.2179, 0.3160,  
0.3232

21.9440, 0.4183,  
0.2329

85.4506, 0.3086,  
0.3367

19.7797, 0.4391,  
0.2305

94.5253, 0.3026,  
0.3404

■ 18.5192, 0.4596,  
0.2334

■ 95.1440, 0.2971,  
0.3303

■ 18.0690, 0.4713,  
0.2370

■ 95.2329, 0.2964,  
0.3290

# Harmonies

## Analogous

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



42.2017, 0.2934, 0.2534



42.2017, 0.3480, 0.2790



42.2017, 0.3957, 0.3160

# Triad

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



42.2017, 0.3480, 0.2790



42.2017, 0.3752, 0.4231



42.2017, 0.2169, 0.2855

# Complementary

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



42.2017, 0.3480, 0.2790



65.4280, 0.2884, 0.3854

# 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.



42.2017, 0.2348, 0.3347



42.2017, 0.3480, 0.2790



42.2017, 0.3247, 0.4219

# Square

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



42.2017, 0.3480, 0.2790



42.2017, 0.4106, 0.3973



42.2017, 0.2734, 0.3878



42.2017, 0.2217, 0.2542



# Rectangle

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



42.2017, 0.3480, 0.2790



42.2017, 0.4147, 0.3439



42.2017, 0.2734, 0.3878



42.2017, 0.2203, 0.3003

# Sweetspot

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



42.2036, 0.3480, 0.2790



84.1007, 0.3210, 0.3150



37.5818, 0.2781, 0.2341



17.5595, 0.3223, 0.3129



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.



42.2036, 0.3480, 0.2790



47.8424, 0.3581, 0.2686



40.6813, 0.3879, 0.3231



14.5036, 0.3204, 0.3158



10.4586, 0.4683, 0.2354



0.7914, 0.4409, 0.2203



# Inverse Universe

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



42.2036, 0.3480, 0.2790



47.8424, 0.3581, 0.2686



67.2846, 0.2671, 0.3352



14.5036, 0.3204, 0.3158



10.4586, 0.4683, 0.2354



0.7914, 0.4409, 0.2203



# Previews

## White Background



This preview shows how the Yxy color 42.2017, 0.3480, 0.2790 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

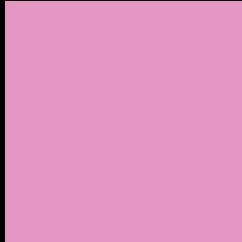
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.2017, 0.3480, 0.2790 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 42.2017, 0.3480, 0.2790**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.2017, 0.3480, 0.2790.



This preview shows how white text looks on a background with the Yxy color 42.2017, 0.3480, 0.2790.

# 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

42.2017, 0.3480, 0.2790

### Protanopia

42.7061, 0.2799, 0.2820

### Deuteranopia

42.3279, 0.3078, 0.3005



## Tritanopia

42.2403, 0.3710, 0.3150

# Trichromacy



## Original Color

42.2017, 0.3480, 0.2790

## Protanomaly

42.0887, 0.3017, 0.2800

## Deuteranomaly

41.9258, 0.3219, 0.2918

## Tritanomaly

42.1255, 0.3624, 0.3012

# Monochromacy



## Original Color

42.2017, 0.3480, 0.2790

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

43.2017, 0.3246, 0.3088

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.2017, 0.3480, 0.2790 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(228, 150, 194)` looks like.

```
.text, #text, p{  
    color:rgb(228, 150, 194)  
}
```

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(228, 150, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 150, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 42.2017, 0.3480, 0.2790 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(228, 150, 194) }
```

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

```
.border{ border-color:rgb(228, 150, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 150, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 150, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 150, 194);  
box-shadow:4px 4px 4px 4px rgb(228, 150,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.2017, 0.3480, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 150, 194) }
```

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

```
.background{ background-color: rgb(228,  
150, 194) }
```

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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