

# Converting Colors

Yxy(45.8624, 0.3455, 0.2853)

Have a look what the booklet for  
Yxy(45.8624, 0.3455, 0.2853)  
contains.

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# Color

**Yxy(45.8624, 0.3455, 0.2853)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E79FC6
RGB	231, 159, 198
RGB Percent	91%, 62%, 78%
CMY	0.0942, 0.3764, 0.2235
CMYK	0.00, 0.31, 0.14, 0.09
HSL	327°, 60%, 76%
HSV	327°, 31%, 91%
XYZ	55.5396, 45.8624, 59.3494
YIQ	184.9740, 30.3930, 27.3930

# Conversions

## Conversions Part 2

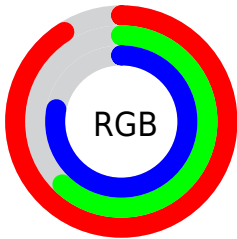
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 159, 198
Decimal	15179718
CIE <sub>Lab</sub>	73.46, 32.43, -9.14
CIE <sub>LCh</sub>	73, 33.691, 344.261
Yxy	45.8624, 0.3455, 0.2853
Android (android.graphics.Color)	4293369798 (0xFFE79FC6)
YUV	184.9740, 6.4218, 40.3648
Hunter-Lab	67.7218, 27.8774, -4.5548

# Details

The Yxy color  $45.8624, 0.3455, 0.2853$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $68.3160, 0.2894, 0.3775$ , and the grayscale version is  $48.4525, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.5731, 0.3146, 0.2891$ , and  $21.5277, 0.3541, 0.2748$  is the 20% darker color. If you saturate the color by 10%, you get  $38.1764, 0.3603, 0.2710$ , and if you desaturate by 10%, it is  $55.0710, 0.3329, 0.2998$ .

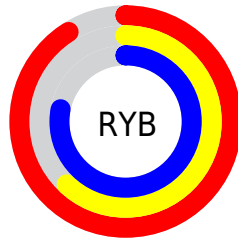
# Distribution



Red (91%)

Green (62%)

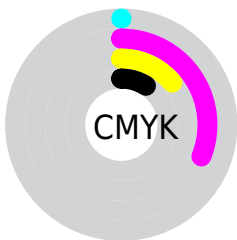
Blue (78%)



Red (91%)

Yellow (62%)

Blue (78%)

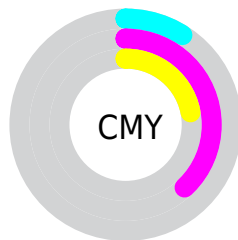


Cyan (0%)

Magenta (31%)

Yellow (14%)

Black (9%)



Cyan (9%)

Magenta (38%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8624, 0.3455, 0.2853 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 45.8624, 0.3455, 0.2853 by changing the saturation by 10% instead.





 45.8624, 0.3455,  
0.2853

 45.8624, 0.3455,  
0.2853


370.2552, 0.3295,  
0.3064

 32.1373, 0.3494,  
0.2802

 84.0130, 0.3397,  
0.2928

 21.4664, 0.3544,  
0.2739


 109.2073, 0.3376,  
0.2957

 13.4653, 0.3609,  
0.2656


138.9934, 0.3357,  
0.2981

 7.7497, 0.3697,  
0.2544

173.7557, 0.3341,  
0.3003

 3.9352, 0.3826,  
0.2385

213.8787, 0.3327,  
0.3021

 1.6374, 0.4028,  
0.2142

259.7466, 0.3315,

 0.3826, 0.4535,

0.3037

0.1451

311.7440, 0.3304,  
0.3052

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.8624, 0.3455,  
0.2853

45.8624, 0.3455,  
0.2853

38.1764, 0.3603,  
0.2710

55.0710, 0.3329,  
0.2998

31.9231, 0.3774,  
0.2577

65.8729, 0.3224,  
0.3140

27.0130, 0.3967,  
0.2464

78.3421, 0.3136,  
0.3275

23.3437, 0.4178,  
0.2384

92.5460, 0.3064,  
0.3402

■ 20.7979, 0.4400,  
0.2349

■ 95.4650, 0.3004,  
0.3330

■ 19.2353, 0.4621,  
0.2368

■ 95.7247, 0.2981,  
0.3290

■ 18.4685, 0.4811,  
0.2424

# Harmonies

## Analogous

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



45.8624, 0.2972, 0.2618



45.8624, 0.3455, 0.2853



45.8624, 0.3869, 0.3189

# Triad

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



45.8624, 0.3455, 0.2853



45.8624, 0.3674, 0.4126



45.8624, 0.2270, 0.2899

# Complementary

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



45.8624, 0.3455, 0.2853



68.3160, 0.2894, 0.3775

# 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.



45.8624, 0.2427, 0.3330



45.8624, 0.3455, 0.2853



45.8624, 0.3225, 0.4097

# Square

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



45.8624, 0.3455, 0.2853



45.8624, 0.3989, 0.3912



45.8624, 0.2770, 0.3792



45.8624, 0.2319, 0.2622



# Rectangle

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



45.8624, 0.3455, 0.2853



45.8624, 0.4032, 0.3441



45.8624, 0.2770, 0.3792



45.8624, 0.2300, 0.3029

# Sweetspot

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



45.8645, 0.3455, 0.2853



85.5624, 0.3204, 0.3169



41.6989, 0.2828, 0.2436



17.8493, 0.3218, 0.3149



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.



45.8645, 0.3455, 0.2853



51.3690, 0.3542, 0.2766



44.4180, 0.3800, 0.3250



14.4979, 0.3208, 0.3163



10.3816, 0.4778, 0.2406



0.7859, 0.4486, 0.2245



# Inverse Universe

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



45.8645, 0.3455, 0.2853



51.3690, 0.3542, 0.2766



70.0774, 0.2700, 0.3332



14.4979, 0.3208, 0.3163



10.3816, 0.4778, 0.2406



0.7859, 0.4486, 0.2245



# Previews

## White Background



This preview shows how the Yxy color 45.8624, 0.3455, 0.2853 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

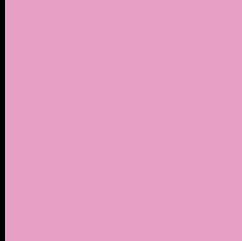
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.8624, 0.3455, 0.2853 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

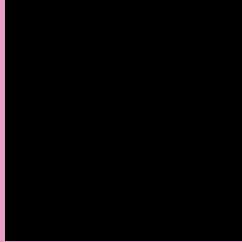
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.8624, 0.3455, 0.2853**

## Background



This preview shows how black text looks on a background with the Yxy color 45.8624, 0.3455, 0.2853.



This preview shows how white text looks on a background with the Yxy color 45.8624, 0.3455, 0.2853.

# 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

45.8624, 0.3455, 0.2853

### Protanopia

46.0573, 0.2852, 0.2883

### Deuteranopia

46.1973, 0.3112, 0.3052



## Tritanopia

45.7835, 0.3638, 0.3153

# Trichromacy



## Original Color

45.8624, 0.3455, 0.2853



## Protanomaly

45.5634, 0.3052, 0.2873



## Deuteranomaly

45.8568, 0.3231, 0.2976



## Tritanomaly

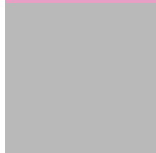
45.9176, 0.3573, 0.3050

# Monochromacy



## Original Color

45.8624, 0.3455, 0.2853



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

47.3249, 0.3240, 0.3118

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.8624, 0.3455, 0.2853 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(231, 159, 198)` looks like.

```
.text, #text, p{  
    color:rgb(231, 159, 198)  
}
```

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(231, 159, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 159, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 45.8624, 0.3455, 0.2853 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(231, 159, 198) }
```

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

```
.border{ border-color:rgb(231, 159, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 159, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 159, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 159, 198);  
box-shadow:4px 4px 4px 4px rgb(231, 159,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.8624, 0.3455, 0.2853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 159, 198) }
```

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

```
.background{ background-color: rgb(231,  
159, 198) }
```

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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