

# Converting Colors

$Yxy(42.4187, 0.3809, 0.3177)$

Have a look what the booklet for  
Yxy(42.4187, 0.3809, 0.3177)  
contains.

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# Color

**Yxy(42.4157, 0.3816, 0.3177)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E799A3
RGB	231, 153, 163
RGB Percent	91%, 60%, 64%
CMY	0.0943, 0.3999, 0.3608
CMYK	0.00, 0.34, 0.29, 0.09
HSL	352°, 62%, 75%
HSV	352°, 34%, 91%
XYZ	50.9469, 42.4157, 40.1461
YIQ	177.4620, 43.2780, 19.6460

# Conversions

## Conversions Part 2

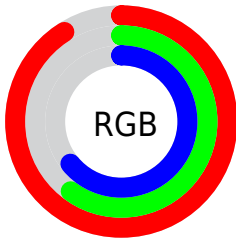
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 153, 163
Decimal	15178147
CIE Lab	71.16, 30.48, 6.86
CIE LCh	71, 31.246, 12.675
Yxy	42.4157, 0.3816, 0.3177
Android (android.graphics.Color)	4293368227 (0xFFE799A3)
YUV	177.4620, -7.1298, 46.9528
Hunter-Lab	65.1273, 25.6616, 9.0414

# Details

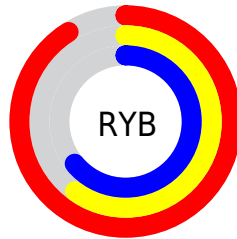
The Yxy color **42.4157, 0.3816, 0.3177** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **69.1258, 0.2701, 0.3409**, and the grayscale version is **44.2441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4337, 0.3413, 0.3189**, and **19.4537, 0.4035, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **34.9078, 0.4131, 0.3144**, and if you desaturate by 10%, it is **51.5059, 0.3558, 0.3212**.

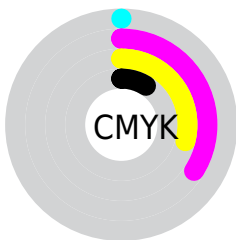
# Distribution



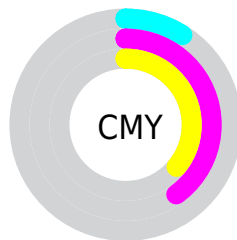
- Red (91%)
- Green (60%)
- Blue (64%)



- Red (91%)
- Yellow (60%)
- Blue (64%)



- Cyan (0%)
- Magenta (34%)
- Yellow (29%)
- Black (9%)




- Cyan (9%)
- Magenta (40%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4157, 0.3816, 0.3177 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 42.4157, 0.3816, 0.3177 by changing the saturation by 10% instead.





 42.4157, 0.3816,  
0.3177


 42.4157, 0.3816,  
0.3177


356.2033, 0.3464,  
0.3240

 29.4269, 0.3906,  
0.3159


 78.8284, 0.3686,  
0.3202

 19.4040, 0.4023,  
0.3135


 103.0211, 0.3638,  
0.3210

 11.9626, 0.4181,  
0.3100


131.7172, 0.3597,  
0.3218

 6.7182, 0.4405,  
0.3047

165.3012, 0.3563,  
0.3224

 3.2865, 0.4745,  
0.2960

204.1574, 0.3533,  
0.3229

 1.2831, 0.5320,  
0.2795

248.6702, 0.3507,

 0.1280, 0.8712,

0.3233

0.1288

299.2241, 0.3484,  
0.3237

0.0000, 0.0000,  
0.0000

42.4157, 0.3816,  
0.3177

42.4157, 0.3816,  
0.3177

34.9078, 0.4131,  
0.3144

51.5059, 0.3558,  
0.3212

28.8860, 0.4505,  
0.3118

62.2553, 0.3349,  
0.3246

24.2530, 0.4930,  
0.3104

74.7432, 0.3181,  
0.3278

20.8974, 0.5375,  
0.3109

89.0419, 0.3046,  
0.3308

18.6907, 0.5791,  
0.3137

95.7226, 0.2981,  
0.3290

■ 17.4769, 0.6117,  
0.3189

■ 17.0739, 0.6260,  
0.3222

# Harmonies

## Analogous

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



42.4157, 0.3416, 0.2858



42.4157, 0.3816, 0.3177



42.4157, 0.4019, 0.3539

# Triad

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



42.4157, 0.3816, 0.3177



42.4157, 0.3246, 0.4064



42.4157, 0.2347, 0.2662

# Complementary

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



42.4157, 0.3816, 0.3177



69.1258, 0.2701, 0.3409

# 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.



42.4157, 0.2311, 0.2938



42.4157, 0.3816, 0.3177



42.4157, 0.2809, 0.3787

# Square

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



42.4157, 0.3816, 0.3177



42.4157, 0.3670, 0.4080



42.4157, 0.2473, 0.3353



42.4157, 0.2574, 0.2565



# Rectangle

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



42.4157, 0.3816, 0.3177



42.4157, 0.4008, 0.3769



42.4157, 0.2473, 0.3353



42.4157, 0.2313, 0.2735

# Sweetspot

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



42.4177, 0.3816, 0.3177



83.4452, 0.3283, 0.3258



43.8634, 0.3075, 0.2430



17.4015, 0.3307, 0.3254



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.



42.4177, 0.3816, 0.3177



46.7970, 0.4013, 0.3155



52.5768, 0.3809, 0.3619



14.3978, 0.3272, 0.3260



9.5854, 0.6234, 0.3208



0.7181, 0.5909, 0.3029



# Inverse Universe

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



42.4177, 0.3816, 0.3177



46.7970, 0.4013, 0.3155



54.9645, 0.2603, 0.2934



14.3978, 0.3272, 0.3260



9.5854, 0.6234, 0.3208



0.7181, 0.5909, 0.3029



# Previews

## White Background



This preview shows how the Yxy color 42.4157, 0.3816, 0.3177 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 42.4157, 0.3816, 0.3177 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 42.4157, 0.3816, 0.3177**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.4157, 0.3816, 0.3177.



This preview shows how white text looks on a background with the Yxy color 42.4157, 0.3816, 0.3177.

# 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

42.4157, 0.3816, 0.3177

### Protanopia

42.7931, 0.3163, 0.3290

### Deuteranopia

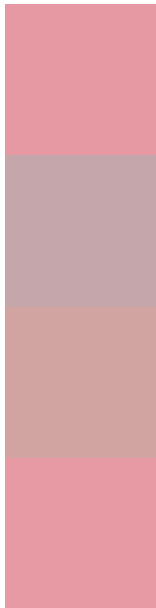
42.4136, 0.3471, 0.3395



## Tritanopia

42.4517, 0.3806, 0.3165

# Trichromacy



## Original Color

42.4157, 0.3816, 0.3177

## Protanomaly

42.0450, 0.3384, 0.3239

## Deuteranomaly

42.3229, 0.3591, 0.3316

## Tritanomaly

42.4517, 0.3806, 0.3165

# Monochromacy



## Original Color

42.4157, 0.3816, 0.3177

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

42.8541, 0.3362, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.4157, 0.3816, 0.3177 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, 153, 163)` looks like.

```
.text, #text, p{  
    color:rgb(231, 153, 163)  
}
```

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, 153, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 153, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 42.4157, 0.3816, 0.3177 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, 153, 163) }
```

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

```
.border{ border-color:rgb(231, 153, 163) }
```

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

Here you see how a box with a 4 pixel rgb(231, 153, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 153, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 153, 163);  
box-shadow:4px 4px 4px 4px rgb(231, 153,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.4157, 0.3816, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 153, 163) }
```

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

```
.background{ background-color: rgb(231,  
153, 163) }
```

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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