

# Converting Colors

$Y_{xy}(41.9785, 0.3828, 0.3211)$

Have a look what the booklet for  
Yxy(41.9785, 0.3828, 0.3211)  
contains.

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# Color

**Yxy(41.9785, 0.3828, 0.3211)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E599A0
RGB	229, 153, 160
RGB Percent	90%, 60%, 63%
CMY	0.1020, 0.3999, 0.3727
CMYK	0.00, 0.33, 0.30, 0.10
HSL	355°, 59%, 75%
HSV	355°, 33%, 90%
XYZ	50.0448, 41.9785, 38.7102
YIQ	176.5220, 43.0490, 18.2890

# Conversions

## Conversions Part 2

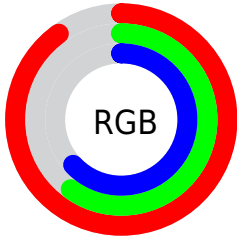
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 153, 160
Decimal	15047072
CIE Lab	70.86, 29.37, 8.07
CIE LCh	71, 30.456, 15.363
Yxy	41.9785, 0.3828, 0.3211
Android (android.graphics.Color)	4293237152 (0xFFE599A0)
YUV	176.5220, -8.1453, 46.0232
Hunter-Lab	64.7908, 24.4904, 9.9299

# Details

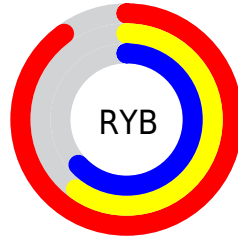
The Yxy color **41.9785, 0.3828, 0.3211** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **68.0814, 0.2693, 0.3373**, and the grayscale version is **43.7298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2780, 0.3436, 0.3220**, and **19.1821, 0.4038, 0.3171** is the 20% darker color. If you saturate the color by 10%, you get **34.5213, 0.4154, 0.3188**, and if you desaturate by 10%, it is **50.9998, 0.3562, 0.3236**.

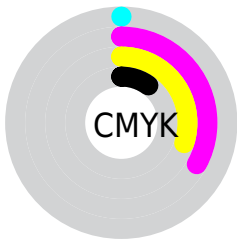
# Distribution



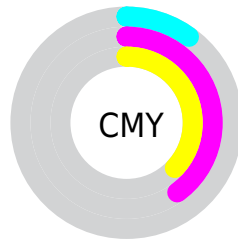
- Red (90%)
- Green (60%)
- Blue (63%)



- Red (90%)
- Yellow (60%)
- Blue (63%)



- Cyan (0%)
- Magenta (33%)
- Yellow (30%)
- Black (10%)




- Cyan (10%)
- Magenta (40%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9785, 0.3828, 0.3211 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 41.9785, 0.3828, 0.3211 by changing the saturation by 10% instead.




 41.9785, 0.3828,  
0.3211

 41.9785, 0.3828,  
0.3211


354.3938, 0.3469,  
0.3258

 29.0845, 0.3920,  
0.3197


 78.1671, 0.3695,  
0.3230

 19.1447, 0.4040,  
0.3177


 102.2304, 0.3646,  
0.3236

 11.7749, 0.4202,  
0.3148


130.7856, 0.3605,  
0.3242

 6.5906, 0.4432,  
0.3103

164.2171, 0.3570,  
0.3246

 3.2074, 0.4783,  
0.3025

202.9093, 0.3539,  
0.3250

 1.2410, 0.5393,  
0.2879

247.2465, 0.3513,

 0.0948, 0.8949,

0.3253

0.1051

297.6132, 0.3489,  
0.3256

0.0000, 0.0000,  
0.0000

41.9785, 0.3828,  
0.3211

41.9785, 0.3828,  
0.3211

34.5213, 0.4154,  
0.3188

50.9998, 0.3562,  
0.3236

28.5336, 0.4541,  
0.3170

61.6609, 0.3347,  
0.3260

23.9200, 0.4979,  
0.3160

74.0396, 0.3174,  
0.3283

20.5711, 0.5437,  
0.3165

88.2071, 0.3036,  
0.3304

18.3610, 0.5857,  
0.3188

95.3961, 0.2970,  
0.3290

■ 17.1379, 0.6174,  
0.3227

■ 16.7102, 0.6315,  
0.3252

# Harmonies

## Analogous

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



41.9785, 0.3450, 0.2891



41.9785, 0.3828, 0.3211



41.9785, 0.4005, 0.3566

# Triad

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



41.9785, 0.3828, 0.3211



41.9785, 0.3204, 0.4032



41.9785, 0.2375, 0.2660

# Complementary

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



41.9785, 0.3828, 0.3211



68.0814, 0.2693, 0.3373

# 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.



41.9785, 0.2323, 0.2916



41.9785, 0.3828, 0.3211



41.9785, 0.2781, 0.3742

# Square

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



41.9785, 0.3828, 0.3211



41.9785, 0.3625, 0.4072



41.9785, 0.2465, 0.3313



41.9785, 0.2614, 0.2580



# Rectangle

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



41.9785, 0.3828, 0.3211



41.9785, 0.3979, 0.3788



41.9785, 0.2465, 0.3313



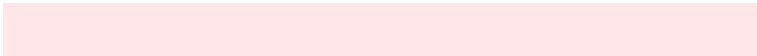
41.9785, 0.2336, 0.2726

# Sweetspot

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



41.9805, 0.3828, 0.3211



83.3926, 0.3289, 0.3267



43.8774, 0.3099, 0.2451



17.3889, 0.3315, 0.3264



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.



41.9805, 0.3828, 0.3211



46.6633, 0.4052, 0.3194



52.9904, 0.3784, 0.3641



14.3893, 0.3278, 0.3269



9.5627, 0.6294, 0.3241



0.7140, 0.6038, 0.3100



# Inverse Universe

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



41.9805, 0.3828, 0.3211



46.6633, 0.4052, 0.3194



53.0927, 0.2608, 0.2908



14.3893, 0.3278, 0.3269



9.5627, 0.6294, 0.3241



0.7140, 0.6038, 0.3100



# Previews

## White Background



This preview shows how the Yxy color 41.9785, 0.3828, 0.3211 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

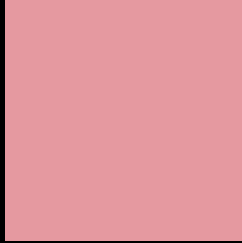
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.9785, 0.3828, 0.3211 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 41.9785, 0.3828, 0.3211**

## Background



This preview shows how black text looks on a background with the Yxy color 41.9785, 0.3828, 0.3211.



This preview shows how white text looks on a background with the Yxy color 41.9785, 0.3828, 0.3211.

# 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

41.9785, 0.3828, 0.3211

### Protanopia

42.1745, 0.3180, 0.3317

### Deuteranopia

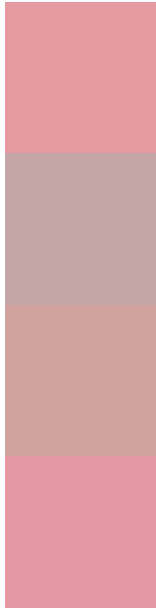
42.3099, 0.3499, 0.3434



## Tritanopia

41.7948, 0.3790, 0.3152

# Trichromacy



## Original Color

41.9785, 0.3828, 0.3211

## Protanomaly

41.7982, 0.3402, 0.3278

## Deuteranomaly

42.2183, 0.3620, 0.3354

## Tritanomaly

41.7588, 0.3800, 0.3164

# Monochromacy



## Original Color

41.9785, 0.3828, 0.3211

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

42.6813, 0.3362, 0.3252

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.9785, 0.3828, 0.3211 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(229, 153, 160)` looks like.

```
.text, #text, p{  
    color:rgb(229, 153, 160)  
}
```

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(229, 153, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 153, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 41.9785, 0.3828, 0.3211 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(229, 153, 160) }
```

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

```
.border{ border-color:rgb(229, 153, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 153, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 153, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 153, 160);  
box-shadow:4px 4px 4px 4px rgb(229, 153,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.9785, 0.3828, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 153, 160) }
```

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

```
.background{ background-color: rgb(229,  
153, 160) }
```

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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