

# Converting Colors

$Y_{xy}(51.3232, 0.3334, 0.2820)$

Have a look what the booklet for  
Yxy(51.3232, 0.3334, 0.2820)  
contains.

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# Color

**Yxy(51.2667, 0.3333, 0.2811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBAAD6
RGB	235, 170, 214
RGB Percent	92%, 67%, 84%
CMY	0.0782, 0.3334, 0.1607
CMYK	0.00, 0.28, 0.09, 0.08
HSL	319°, 62%, 79%
HSV	319°, 28%, 92%
XYZ	60.7869, 51.2667, 70.3253
YIQ	194.4510, 24.6160, 27.4640

# Conversions

## Conversions Part 2

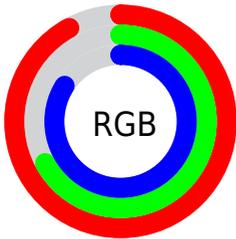
Format	Color
R <sub>Y</sub> B	235, 170, 214
Decimal	15444694
CIE Lab	76.84, 30.61, -12.81
CIE LCh	77, 33.184, 337.290
Yxy	51.2667, 0.3333, 0.2811
Android (android.graphics.Color)	4293634774 (0xFFEBAAD6)
YUV	194.4510, 9.6377, 35.5615
Hunter-Lab	71.6008, 26.2397, -8.1133

# Details

The Yxy color **51.2667, 0.3333, 0.2811** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **71.7494, 0.2968, 0.3823**, and the grayscale version is **54.1635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8727, 0.3140, 0.3009**, and **24.6908, 0.3382, 0.2695** is the 20% darker color. If you saturate the color by 10%, you get **42.8524, 0.3432, 0.2634**, and if you desaturate by 10%, it is **61.2790, 0.3248, 0.2989**.

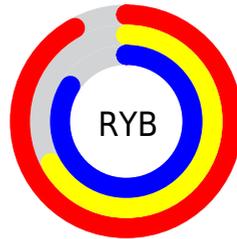
# Distribution



Red (92%)

Green (67%)

Blue (84%)



Red (92%)

Yellow (67%)

Blue (84%)

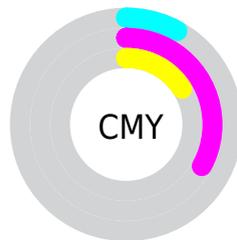


Cyan (0%)

Magenta (28%)

Yellow (9%)

Black (8%)



Cyan (8%)

Magenta (33%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2667, 0.3333, 0.2811 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 51.2667, 0.3333, 0.2811 by changing the saturation by 10% instead.

 51.2667, 0.3333,  
0.2811

 51.2667, 0.3333,  
0.2811

391.5991, 0.3236,  
0.3037

 36.4209, 0.3355,  
0.2758

 92.0489, 0.3299,  
0.2890

 24.7594, 0.3383,  
0.2693

118.7541, 0.3286,  
0.2921

 15.8979, 0.3419,  
0.2609

150.1811, 0.3275,  
0.2947

 9.4519, 0.3466,  
0.2498

186.7145, 0.3265,  
0.2970

 5.0371, 0.3531,  
0.2345

228.7386, 0.3257,  
0.2990

 2.2691, 0.3625,  
0.2120

276.6378, 0.3249,

 0.7573, 0.3778,

0.3007

0.1750

330.7965, 0.3242,  
0.3023

0.0000, 0.4462,  
0.0000

0.0000, 0.0000,  
0.0000

51.2667, 0.3333,  
0.2811

51.2667, 0.3333,  
0.2811

42.8524, 0.3432,  
0.2634

61.2790, 0.3248,  
0.2989

35.9451, 0.3544,  
0.2466

72.9603, 0.3175,  
0.3162

30.4549, 0.3668,  
0.2317

86.3858, 0.3114,  
0.3327

26.2798, 0.3803,  
0.2198

95.7463, 0.3065,  
0.3395

■ 23.3039, 0.3943,  
0.2119

■ 96.2182, 0.3022,  
0.3319

■ 21.3908, 0.4084,  
0.2089

■ 96.4102, 0.3006,  
0.3290

■ 20.3568, 0.4221,  
0.2108

■ 20.1769, 0.4253,  
0.2117

# Harmonies

## Analogous

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



51.2667, 0.2881, 0.2616



51.2667, 0.3333, 0.2811



51.2667, 0.3753, 0.3115

# Triad

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



51.2667, 0.3333, 0.2811



51.2667, 0.3733, 0.4054



51.2667, 0.2328, 0.3005

# Complementary

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



51.2667, 0.3333, 0.2811



71.7494, 0.2968, 0.3823

# 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.



51.2667, 0.2523, 0.3434



51.2667, 0.3333, 0.2811



51.2667, 0.3326, 0.4084

# Square

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



51.2667, 0.3333, 0.2811



51.2667, 0.3986, 0.3816



51.2667, 0.2883, 0.3852



51.2667, 0.2328, 0.2701

# Rectangle

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



51.2667, 0.3333, 0.2811



51.2667, 0.3943, 0.3352



51.2667, 0.2883, 0.3852



51.2667, 0.2372, 0.3140

# Sweetspot

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



51.2690, 0.3333, 0.2811



87.2506, 0.3178, 0.3156



45.7662, 0.2799, 0.2524



18.1946, 0.3188, 0.3130



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.



51.2690, 0.3333, 0.2811



55.9201, 0.3385, 0.2714



49.7864, 0.3620, 0.3157



15.2262, 0.3187, 0.3132



11.2487, 0.4232, 0.2105



0.9008, 0.4055, 0.2007



# Inverse Universe

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



51.2690, 0.3333, 0.2811



55.9201, 0.3385, 0.2714



73.3217, 0.2788, 0.3429



15.2262, 0.3187, 0.3132



11.2487, 0.4232, 0.2105



0.9008, 0.4055, 0.2007



# Previews

## White Background



This preview shows how the Yxy color 51.2667, 0.3333, 0.2811 looks on a white background.

## Color Contrast Check

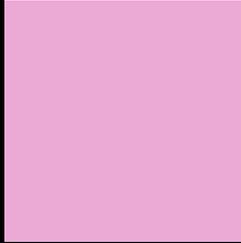
Large Text (above 18pt) WCAG AA × Fail

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 51.2667, 0.3333, 0.2811 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

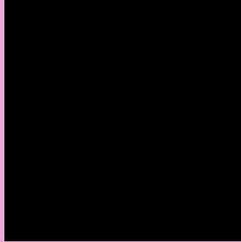
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.2667, 0.3333, 0.2811**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.2667, 0.3333, 0.2811.



This preview shows how white text looks on a background with the Yxy color 51.2667, 0.3333, 0.2811.

# 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

51.2667, 0.3333, 0.2811

### Protanopia

51.4025, 0.2809, 0.2831

### Deuteranopia

51.5432, 0.3044, 0.2979



## Tritanopia

51.4466, 0.3526, 0.3145

# Trichromacy



## Original Color

51.2667, 0.3333, 0.2811



## Protanomaly

50.7392, 0.2979, 0.2809



## Deuteranomaly

51.3930, 0.3145, 0.2919



## Tritanomaly

51.2420, 0.3459, 0.3023

# Monochromacy



## Original Color

51.2667, 0.3333, 0.2811



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

52.4703, 0.3203, 0.3101

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.2667, 0.3333, 0.2811 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(235, 170, 214)` looks like.

```
.text, #text, p{  
    color:rgb(235, 170, 214)  
}
```

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(235, 170, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 170, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 51.2667, 0.3333, 0.2811 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(235, 170, 214) }
```

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

```
.border{ border-color:rgb(235, 170, 214) }
```

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

Here you see how a box with a 4 pixel rgb(235, 170, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 170, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 170, 214);  
box-shadow:4px 4px 4px 4px rgb(235, 170,  
214) }
```

# Background

The CSS property to change the background color of an element to Yxy 51.2667, 0.3333, 0.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 170, 214) }
```

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

```
.background{ background-color: rgb(235,  
170, 214) }
```

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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