

# Converting Colors

$Y_{xy}(52.3589, 0.3308, 0.2820)$

Have a look what the booklet for  
Yxy(52.3589, 0.3308, 0.2820)  
contains.

<b>Yxy(52.5072, 0.3312, 0.2824)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(52.5072, 0.3312, 0.2824)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBADD8
RGB	235, 173, 216
RGB Percent	92%, 68%, 85%
CMY	0.0787, 0.3214, 0.1530
CMYK	0.00, 0.26, 0.08, 0.08
HSL	318°, 61%, 80%
HSV	318°, 26%, 92%
XYZ	61.5807, 52.5072, 71.8441
YIQ	196.4400, 23.1490, 26.5170

# Conversions

## Conversions Part 2

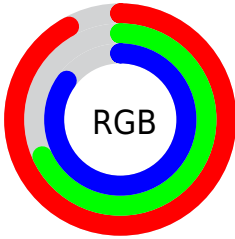
Format	Color
R <sub>Y</sub> B	235, 173, 216
Decimal	15445464
CIE Lab	77.58, 29.28, -12.77
CIE LCh	78, 31.939, 336.440
Yxy	52.5072, 0.3312, 0.2824
Android (android.graphics.Color)	4293635544 (0xFFEBADD8)
YUV	196.4400, 9.6431, 33.8171
Hunter-Lab	72.4619, 24.8875, -8.0613

# Details

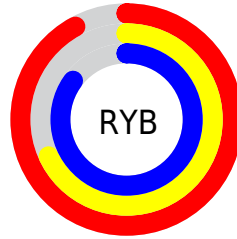
The Yxy color **52.5072, 0.3312, 0.2824** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **72.0716, 0.2982, 0.3807**, and the grayscale version is **55.4099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5186, 0.3139, 0.3039**, and **25.4711, 0.3354, 0.2711** is the 20% darker color. If you saturate the color by 10%, you get **43.9116, 0.3404, 0.2643**, and if you desaturate by 10%, it is **62.7080, 0.3233, 0.3006**.

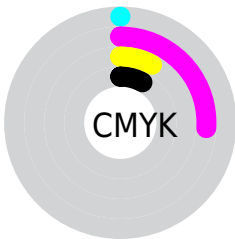
# Distribution



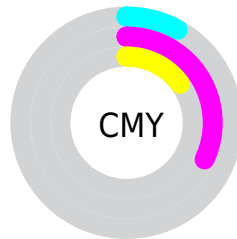
- Red (92%)
- Green (68%)
- Blue (85%)



- Red (92%)
- Yellow (68%)
- Blue (85%)



- Cyan (0%)
- Magenta (26%)
- Yellow (8%)
- Black (8%)




- Cyan (8%)
- Magenta (32%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5072, 0.3312, 0.2824 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 52.5072, 0.3312, 0.2824 by changing the saturation by 10% instead.





 52.5072, 0.3312,  
0.2824

 52.5072, 0.3312,  
0.2824


396.3916, 0.3226,  
0.3043

 37.4095, 0.3332,  
0.2773


 93.8788, 0.3282,  
0.2901

 25.5247, 0.3357,  
0.2710

120.9215, 0.3270,  
0.2930

 16.4684, 0.3388,  
0.2629


152.7147, 0.3260,  
0.2956

 9.8562, 0.3429,  
0.2522

189.6428, 0.3251,  
0.2978

 5.3037, 0.3485,  
0.2375

232.0901, 0.3244,  
0.2997

 2.4266, 0.3566,  
0.2159

280.4411, 0.3237,

 0.8395, 0.3693,

0.3014

0.1816

335.0801, 0.3231,  
0.3030

0.0000, 0.4337,  
0.0000

0.0000, 0.0000,  
0.0000

52.5072, 0.3312,  
0.2824

52.5072, 0.3312,  
0.2824

43.9116, 0.3404,  
0.2643

62.7080, 0.3233,  
0.3006

36.8310, 0.3508,  
0.2470

74.5839, 0.3165,  
0.3182

31.1770, 0.3624,  
0.2314

88.2095, 0.3107,  
0.3350

26.8492, 0.3749,  
0.2187

95.7481, 0.3062,  
0.3392

■ 23.7340, 0.3880,  
0.2099

■ 96.1954, 0.3022,  
0.3320

■ 21.6986, 0.4012,  
0.2059

■ 96.3906, 0.3005,  
0.3290

■ 20.5771, 0.4140,  
0.2069

■ 20.2955, 0.4187,  
0.2080

# Harmonies

## Analogous

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



52.5072, 0.2881, 0.2640



52.5072, 0.3312, 0.2824



52.5072, 0.3715, 0.3114

# Triad

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



52.5072, 0.3312, 0.2824



52.5072, 0.3717, 0.4016



52.5072, 0.2364, 0.3030

# Complementary

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



52.5072, 0.3312, 0.2824



72.0716, 0.2982, 0.3807

# 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.



52.5072, 0.2558, 0.3441



52.5072, 0.3312, 0.2824



52.5072, 0.3331, 0.4049

# Square

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



52.5072, 0.3312, 0.2824



52.5072, 0.3952, 0.3787



52.5072, 0.2907, 0.3834



52.5072, 0.2359, 0.2733



# Rectangle

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



52.5072, 0.3312, 0.2824



52.5072, 0.3900, 0.3341



52.5072, 0.2907, 0.3834



52.5072, 0.2408, 0.3159

# Sweetspot

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



52.5096, 0.3312, 0.2824



87.2721, 0.3175, 0.3153



47.0512, 0.2810, 0.2564



18.2001, 0.3185, 0.3126



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.



52.5096, 0.3312, 0.2824



57.0151, 0.3364, 0.2719



51.0729, 0.3580, 0.3153



15.2307, 0.3185, 0.3128



11.3265, 0.4167, 0.2069



0.9064, 0.4002, 0.1978



# Inverse Universe

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



52.5096, 0.3312, 0.2824



57.0151, 0.3364, 0.2719



73.5702, 0.2809, 0.3433



15.2307, 0.3185, 0.3128



11.3265, 0.4167, 0.2069

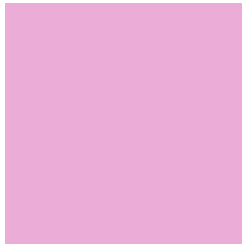


0.9064, 0.4002, 0.1978



# Previews

## White Background



This preview shows how the Yxy color 52.5072, 0.3312, 0.2824 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

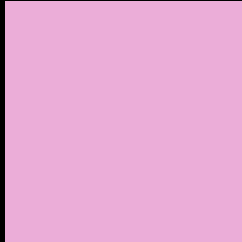
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.5072, 0.3312, 0.2824 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

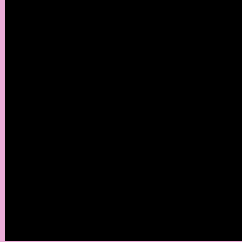
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.5072, 0.3312, 0.2824**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.5072, 0.3312, 0.2824.



This preview shows how white text looks on a background with the Yxy color 52.5072, 0.3312, 0.2824.

# 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

52.5072, 0.3312, 0.2824

### Protanopia

52.6873, 0.2825, 0.2847

### Deuteranopia

52.7623, 0.3045, 0.2982



## Tritanopia

52.3617, 0.3496, 0.3134

# Trichromacy



## Original Color

52.5072, 0.3312, 0.2824



## Protanomaly

52.3052, 0.2987, 0.2837



## Deuteranomaly

52.4571, 0.3136, 0.2922



## Tritanomaly

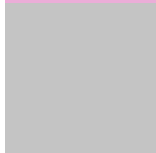
52.5444, 0.3428, 0.3024

# Monochromacy



## Original Color

52.5072, 0.3312, 0.2824



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

53.9799, 0.3193, 0.3114

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.5072, 0.3312, 0.2824 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, 173, 216)` looks like.

```
.text, #text, p{  
    color:rgb(235, 173, 216)  
}
```

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, 173, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 173, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 52.5072, 0.3312, 0.2824 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, 173, 216) }
```

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

```
.border{ border-color:rgb(235, 173, 216) }
```

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

Here you see how a box with a 4 pixel rgb(235, 173, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 173, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 173, 216);  
box-shadow:4px 4px 4px 4px rgb(235, 173,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.5072, 0.3312, 0.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 173, 216) }
```

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

```
.background{ background-color: rgb(235,  
173, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor