

# Converting Colors

$Y_{xy}(50.5228, 0.3223, 0.2964)$

Have a look what the booklet for  
Yxy(50.5228, 0.3223, 0.2964)  
contains.

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# Color

**Yxy(50.3476, 0.3220, 0.2954)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D7B1CE
RGB	215, 177, 206
RGB Percent	84%, 69%, 81%
CMY	0.1569, 0.3058, 0.1922
CMYK	0.00, 0.18, 0.04, 0.16
HSL	314°, 32%, 77%
HSV	314°, 18%, 84%
XYZ	54.8813, 50.3476, 65.2099
YIQ	191.6680, 13.3390, 17.0750

# Conversions

## Conversions Part 2

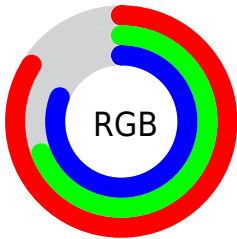
Format	Color
R <sub>Y</sub> B	215, 177, 206
Decimal	14135758
CIE Lab	76.28, 18.59, -9.48
CIE LCh	76, 20.865, 332.988
Yxy	50.3476, 0.3220, 0.2954
Android (android.graphics.Color)	4292325838 (0xFFD7B1CE)
YUV	191.6680, 7.0657, 20.4622
Hunter-Lab	70.9560, 13.8886, -4.8193

# Details

The Yxy color  $50.3476, 0.3220, 0.2954$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $61.4852, 0.3046, 0.3651$ , and the grayscale version is  $52.4610, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.7578, 0.3137, 0.3078$ , and  $24.1559, 0.3241, 0.2860$  is the 20% darker color. If you saturate the color by 10%, you get  $42.2713, 0.3284, 0.2757$ , and if you desaturate by 10%, it is  $59.7742, 0.3164, 0.3147$ .

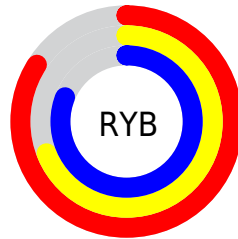
# Distribution



Red (84%)

Green (69%)

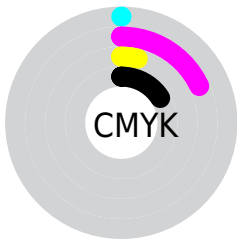
Blue (81%)



Red (84%)

Yellow (69%)

Blue (81%)

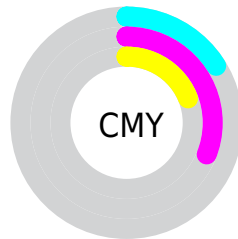


Cyan (0%)

Magenta (18%)

Yellow (4%)

Black (16%)



Cyan (16%)

Magenta (31%)


Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3476, 0.3220, 0.2954 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 50.3476, 0.3220, 0.2954 by changing the saturation by 10% instead.





 50.3476, 0.3220,  
0.2954

 50.3476, 0.3220,  
0.2954


388.0237, 0.3176,  
0.3115

 35.6897, 0.3230,  
0.2916


 90.6897, 0.3205,  
0.3011

 24.1946, 0.3243,  
0.2867


117.1426, 0.3199,  
0.3033

 15.4781, 0.3259,  
0.2805


148.2960, 0.3194,  
0.3052

 9.1556, 0.3280,  
0.2721

184.5343, 0.3189,  
0.3068

 4.8428, 0.3310,  
0.2602

226.2418, 0.3185,  
0.3082

 2.1553, 0.3353,  
0.2422

273.8029, 0.3182,

 0.6955, 0.3433,

0.3095

0.2085

327.6021, 0.3179,  
0.3106

0.0000, 0.2260,  
0.0000

0.0000, 0.0000,  
0.0000

50.3476, 0.3220,  
0.2954

50.3476, 0.3220,  
0.2954

42.2713, 0.3284,  
0.2757

59.7742, 0.3164,  
0.3147

35.4761, 0.3357,  
0.2562

70.6029, 0.3117,  
0.3332

29.8966, 0.3439,  
0.2377

82.8908, 0.3076,  
0.3507

25.4592, 0.3527,  
0.2213

91.4746, 0.3044,  
0.3590

■ 22.0821, 0.3621,  
0.2078

■ 91.7589, 0.3016,  
0.3535

■ 19.6725, 0.3717,  
0.1984

■ 92.0516, 0.2988,  
0.3481

■ 18.1219, 0.3812,  
0.1935

■ 92.3527, 0.2960,  
0.3428

■ 17.2792, 0.3903,  
0.1933

■ 92.6624, 0.2932,  
0.3374

■ 17.1267, 0.3925,  
0.1936

■ 92.9806, 0.2905,  
0.3322

# Harmonies

## Analogous

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



50.3476, 0.2935, 0.2838



50.3476, 0.3220, 0.2954



50.3476, 0.3490, 0.3150

# Triad

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



50.3476, 0.3220, 0.2954



50.3476, 0.3548, 0.3763



50.3476, 0.2620, 0.3155

# Complementary

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



50.3476, 0.3220, 0.2954



61.4852, 0.3046, 0.3651

# 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.



50.3476, 0.2770, 0.3425



50.3476, 0.3220, 0.2954



50.3476, 0.3302, 0.3789

# Square

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



50.3476, 0.3220, 0.2954



50.3476, 0.3682, 0.3610



50.3476, 0.3017, 0.3664



50.3476, 0.2600, 0.2940



# Rectangle

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



50.3476, 0.3220, 0.2954



50.3476, 0.3620, 0.3306



50.3476, 0.3017, 0.3664



50.3476, 0.2657, 0.3242

# Sweetspot

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



50.3498, 0.3220, 0.2954



91.9402, 0.3151, 0.3197



46.7786, 0.2908, 0.2822



19.4457, 0.3155, 0.3183



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.



50.3498, 0.3220, 0.2954



69.6733, 0.3242, 0.2884



49.4880, 0.3378, 0.3171



12.5801, 0.3174, 0.3114



10.2632, 0.3912, 0.1928



0.6315, 0.3765, 0.1848



# Inverse Universe

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



50.3498, 0.3220, 0.2954



69.6733, 0.3242, 0.2884



62.3405, 0.2925, 0.3413



12.5801, 0.3174, 0.3114



10.2632, 0.3912, 0.1928



0.6315, 0.3765, 0.1848



# Previews

## White Background



This preview shows how the Yxy color 50.3476, 0.3220, 0.2954 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

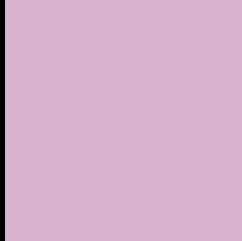
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.3476, 0.3220, 0.2954 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

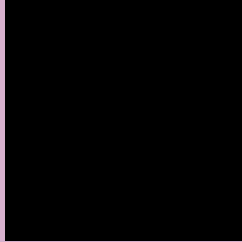
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.3476, 0.3220, 0.2954**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.3476, 0.3220, 0.2954.



This preview shows how white text looks on a background with the Yxy color 50.3476, 0.3220, 0.2954.

# 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

50.3476, 0.3220, 0.2954

### Protanopia

50.6084, 0.2926, 0.2982

### Deuteranopia

50.4169, 0.3090, 0.3024



## Tritanopia

50.2366, 0.3308, 0.3125

# Trichromacy



## Original Color

50.3476, 0.3220, 0.2954

## Protanomaly

50.2559, 0.3027, 0.2964

## Deuteranomaly

50.4347, 0.3141, 0.3004

## Tritanomaly

50.2141, 0.3276, 0.3056

# Monochromacy



## Original Color

50.3476, 0.3220, 0.2954

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

51.8512, 0.3158, 0.3169

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.3476, 0.3220, 0.2954 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(215, 177, 206)` looks like.

```
.text, #text, p{  
    color:rgb(215, 177, 206)  
}
```

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(215, 177, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 177, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 50.3476, 0.3220, 0.2954 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(215, 177, 206) }
```

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

```
.border{ border-color:rgb(215, 177, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 177, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 177, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 177, 206);  
box-shadow:4px 4px 4px 4px rgb(215, 177,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.3476, 0.3220, 0.2954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 177, 206) }
```

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

```
.background{ background-color: rgb(215,  
177, 206) }
```

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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