

# Converting Colors

$Y_{xy}(52.2822, 0.3238, 0.2907)$

Have a look what the booklet for  
Yxy(52.2822, 0.3238, 0.2907)  
contains.

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# Color

**Yxy(52.2822, 0.3238, 0.2907)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFB2D4
RGB	223, 178, 212
RGB Percent	87%, 70%, 83%
CMY	0.1255, 0.3019, 0.1685
CMYK	0.00, 0.20, 0.05, 0.13
HSL	315°, 41%, 79%
HSV	315°, 20%, 87%
XYZ	58.2352, 52.2822, 69.3319
YIQ	195.3310, 15.9060, 20.1140

# Conversions

## Conversions Part 2

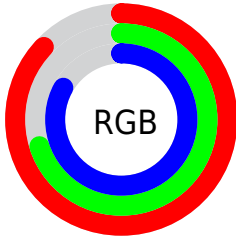
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 178, 212
Decimal	14660308
CIE Lab	77.45, 21.87, -10.94
CIE LCh	77, 24.457, 333.419
Yxy	52.2822, 0.3238, 0.2907
Android (android.graphics.Color)	4292850388 (0xFFDFB2D4)
YUV	195.3310, 8.2178, 24.2657
Hunter-Lab	72.3064, 17.2267, -6.2364

# Details

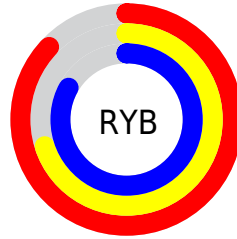
The Yxy color  $52.2822, 0.3238, 0.2907$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $65.9055, 0.3032, 0.3706$ , and the grayscale version is  $54.7252, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.3256, 0.3137, 0.3088$ , and  $25.3170, 0.3265, 0.2816$  is the 20% darker color. If you saturate the color by 10%, you get  $43.8507, 0.3306, 0.2711$ , and if you desaturate by 10%, it is  $62.1698, 0.3179, 0.3101$ .

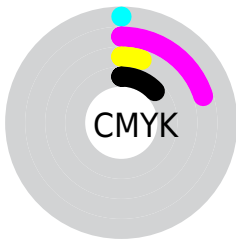
# Distribution



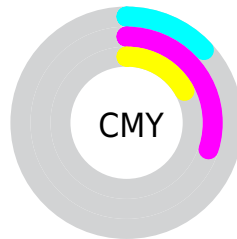
- Red (87%)
- Green (70%)
- Blue (83%)



- Red (87%)
- Yellow (70%)
- Blue (83%)



- Cyan (0%)
- Magenta (20%)
- Yellow (5%)
- Black (13%)




- Cyan (13%)
- Magenta (30%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2822, 0.3238, 0.2907 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 52.2822, 0.3238, 0.2907 by changing the saturation by 10% instead.




 52.2822, 0.3238,  
0.2907

 52.2822, 0.3238,  
0.2907

395.5251, 0.3186,  
0.3089

 37.2301, 0.3250,  
0.2864


 93.5473, 0.3220,  
0.2971

 25.3857, 0.3265,  
0.2811


120.5290, 0.3213,  
0.2996

 16.3646, 0.3283,  
0.2742


152.2561, 0.3207,  
0.3017

 9.7825, 0.3307,  
0.2651

189.1129, 0.3202,  
0.3035

 5.2550, 0.3341,  
0.2523

231.4838, 0.3197,  
0.3051

 2.3977, 0.3388,  
0.2333

279.7532, 0.3193,

 0.8247, 0.3461,

0.3065

0.2020

334.3055, 0.3190,  
0.3078

0.0000, 0.3672,  
0.0000

0.0000, 0.0000,  
0.0000

52.2822, 0.3238,  
0.2907

52.2822, 0.3238,  
0.2907

43.8507, 0.3306,  
0.2711

62.1698, 0.3179,  
0.3101

36.7986, 0.3384,  
0.2519

73.5716, 0.3128,  
0.3287

31.0530, 0.3470,  
0.2339

86.5509, 0.3085,  
0.3463

26.5310, 0.3562,  
0.2182

93.1318, 0.3051,  
0.3508

■ 23.1407, 0.3660,  
0.2058

■ 93.4482, 0.3021,  
0.3451

■ 20.7766, 0.3760,  
0.1977

■ 93.7742, 0.2991,  
0.3395

■ 19.3136, 0.3857,  
0.1942

■ 94.1100, 0.2961,  
0.3340

■ 18.5389, 0.3950,  
0.1950

■ 94.4256, 0.2935,  
0.3289

# Harmonies

## Analogous

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



52.2822, 0.2909, 0.2773



52.2822, 0.3238, 0.2907



52.2822, 0.3551, 0.3131

# Triad

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



52.2822, 0.3238, 0.2907



52.2822, 0.3609, 0.3838



52.2822, 0.2542, 0.3126

# Complementary

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



52.2822, 0.3238, 0.2907



65.9055, 0.3032, 0.3706

# 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.



52.2822, 0.2711, 0.3440



52.2822, 0.3238, 0.2907



52.2822, 0.3322, 0.3871

# Square

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



52.2822, 0.3238, 0.2907



52.2822, 0.3769, 0.3659



52.2822, 0.2993, 0.3724



52.2822, 0.2522, 0.2882



# Rectangle

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



52.2822, 0.3238, 0.2907



52.2822, 0.3701, 0.3309



52.2822, 0.2993, 0.3724



52.2822, 0.2583, 0.3228

# Sweetspot

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



52.2845, 0.3238, 0.2907



90.3861, 0.3157, 0.3179



47.9258, 0.2872, 0.2747



19.1323, 0.3160, 0.3166



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.



52.2845, 0.3238, 0.2907



66.0519, 0.3264, 0.2828



51.2470, 0.3423, 0.3152



13.8756, 0.3175, 0.3114



10.9209, 0.3937, 0.1942



0.7708, 0.3801, 0.1867



# Inverse Universe

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



52.2845, 0.3238, 0.2907



66.0519, 0.3264, 0.2828



66.9359, 0.2898, 0.3433



13.8756, 0.3175, 0.3114



10.9209, 0.3937, 0.1942

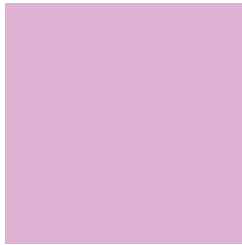


0.7708, 0.3801, 0.1867



# Previews

## White Background



This preview shows how the Yxy color 52.2822, 0.3238, 0.2907 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

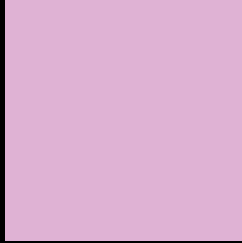
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.2822, 0.3238, 0.2907 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

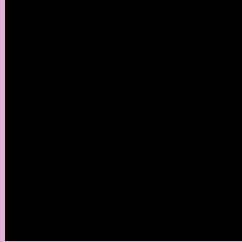
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.2822, 0.3238, 0.2907**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.2822, 0.3238, 0.2907.



This preview shows how white text looks on a background with the Yxy color 52.2822, 0.3238, 0.2907.

# 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

52.2822, 0.3238, 0.2907

### Protanopia

52.5590, 0.2887, 0.2928

### Deuteranopia

52.1885, 0.3067, 0.3004



## Tritanopia

52.3600, 0.3358, 0.3129

# Trichromacy



## Original Color

52.2822, 0.3238, 0.2907

## Protanomaly

52.4069, 0.3007, 0.2924

## Deuteranomaly

52.1254, 0.3126, 0.2963

## Tritanomaly

52.3892, 0.3318, 0.3050

# Monochromacy



## Original Color

52.2822, 0.3238, 0.2907

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

53.5914, 0.3167, 0.3147

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.2822, 0.3238, 0.2907 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(223, 178, 212)` looks like.

```
.text, #text, p{  
    color:rgb(223, 178, 212)  
}
```

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(223, 178, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 178, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2822, 0.3238, 0.2907 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(223, 178, 212) }
```

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

```
.border{ border-color:rgb(223, 178, 212) }
```

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

Here you see how a box with a 4 pixel rgb(223, 178, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 178, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 178, 212);  
box-shadow:4px 4px 4px 4px rgb(223, 178,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2822, 0.3238, 0.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 178, 212) }
```

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

```
.background{ background-color: rgb(223,  
178, 212) }
```

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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