

# Converting Colors

$Y_{xy}(52.3060, 0.3227, 0.2959)$

Have a look what the booklet for  
Yxy(52.3060, 0.3227, 0.2959)  
contains.

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# Color

**Yxy(52.3060, 0.3227, 0.2959)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBB4D1
RGB	219, 180, 209
RGB Percent	86%, 71%, 82%
CMY	0.1412, 0.2941, 0.1803
CMYK	0.00, 0.18, 0.05, 0.14
HSL	315°, 35%, 78%
HSV	315°, 18%, 86%
XYZ	57.0434, 52.3060, 67.4198
YIQ	194.9670, 13.9350, 17.2870

# Conversions

## Conversions Part 2

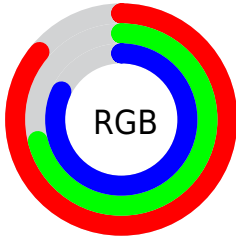
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 180, 209
Decimal	14398673
CIE Lab	77.46, 18.89, -9.32
CIE LCh	77, 21.069, 333.738
Yxy	52.3060, 0.3227, 0.2959
Android (android.graphics.Color)	4292588753 (0xFFDDBB4D1)
YUV	194.9670, 6.9183, 21.0769
Hunter-Lab	72.3229, 14.2237, -4.6444

# Details

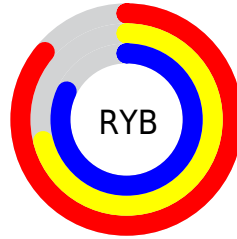
The Yxy color  $52.3060, 0.3227, 0.2959$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $64.0820, 0.3040, 0.3645$ , and the grayscale version is  $54.5058, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.4709, 0.3136, 0.3107$ , and  $25.4378, 0.3250, 0.2869$  is the 20% darker color. If you saturate the color by 10%, you get  $43.8806, 0.3296, 0.2766$ , and if you desaturate by 10%, it is  $62.1427, 0.3167, 0.3148$ .

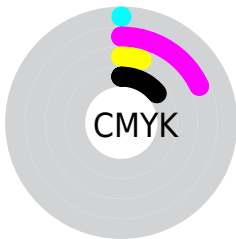
# Distribution



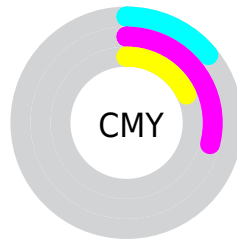
- Red (86%)
- Green (71%)
- Blue (82%)



- Red (86%)
- Yellow (71%)
- Blue (82%)



- Cyan (0%)
- Magenta (18%)
- Yellow (5%)
- Black (14%)




- Cyan (14%)
- Magenta (29%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3060, 0.3227, 0.2959 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 52.3060, 0.3227, 0.2959 by changing the saturation by 10% instead.





 52.3060, 0.3227,  
0.2959

 52.3060, 0.3227,  
0.2959


395.6168, 0.3180,  
0.3117

 37.2490, 0.3238,  
0.2922


 93.5824, 0.3211,  
0.3015

 25.4004, 0.3251,  
0.2875


120.5706, 0.3204,  
0.3036

 16.3756, 0.3269,  
0.2815


152.3046, 0.3199,  
0.3055

 9.7903, 0.3292,  
0.2734

189.1690, 0.3194,  
0.3070

 5.2602, 0.3323,  
0.2621

231.5479, 0.3190,  
0.3084

 2.4007, 0.3369,  
0.2450

279.8260, 0.3186,

 0.8263, 0.3442,

0.3096

0.2163

334.3875, 0.3183,  
0.3107

0.0000, 0.3596,  
0.0000

0.0000, 0.0000,  
0.0000

52.3060, 0.3227,  
0.2959

52.3060, 0.3227,  
0.2959

43.8806, 0.3296,  
0.2766

62.1427, 0.3167,  
0.3148

36.7940, 0.3375,  
0.2575

73.4451, 0.3117,  
0.3329

30.9778, 0.3463,  
0.2394

86.2730, 0.3074,  
0.3499

26.3547, 0.3559,  
0.2233

92.3738, 0.3040,  
0.3534

■ 22.8390, 0.3661,  
0.2102

■ 92.6965, 0.3009,  
0.3475

■ 20.3334, 0.3767,  
0.2012

■ 93.0295, 0.2978,  
0.3416

■ 18.7236, 0.3871,  
0.1968

■ 93.3728, 0.2948,  
0.3358

■ 17.8501, 0.3972,  
0.1971

■ 93.7265, 0.2917,  
0.3301

■ 17.7014, 0.3994,  
0.1974

■ 93.7994, 0.2911,  
0.3289

# Harmonies

## Analogous

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



52.3060, 0.2943, 0.2841



52.3060, 0.3227, 0.2959



52.3060, 0.3494, 0.3156

# Triad

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



52.3060, 0.3227, 0.2959



52.3060, 0.3541, 0.3764



52.3060, 0.2619, 0.3149

# Complementary

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



52.3060, 0.3227, 0.2959



64.0820, 0.3040, 0.3645

# 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.



52.3060, 0.2766, 0.3417



52.3060, 0.3227, 0.2959



52.3060, 0.3294, 0.3787

# Square

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



52.3060, 0.3227, 0.2959



52.3060, 0.3679, 0.3614



52.3060, 0.3010, 0.3658



52.3060, 0.2602, 0.2937



# Rectangle

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



52.3060, 0.3227, 0.2959



52.3060, 0.3622, 0.3312



52.3060, 0.3010, 0.3658



52.3060, 0.2655, 0.3236

# Sweetspot

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



52.3083, 0.3227, 0.2959



91.9247, 0.3153, 0.3199



48.6743, 0.2911, 0.2818



19.4420, 0.3156, 0.3186



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.



52.3083, 0.3227, 0.2959



69.6117, 0.3249, 0.2894



51.4110, 0.3387, 0.3177



13.2149, 0.3177, 0.3118



10.5152, 0.3980, 0.1966



0.6949, 0.3827, 0.1882



# Inverse Universe

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



52.3083, 0.3227, 0.2959



69.6117, 0.3249, 0.2894



64.9806, 0.2919, 0.3406



13.2149, 0.3177, 0.3118



10.5152, 0.3980, 0.1966



0.6949, 0.3827, 0.1882



# Previews

## White Background



This preview shows how the Yxy color 52.3060, 0.3227, 0.2959 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

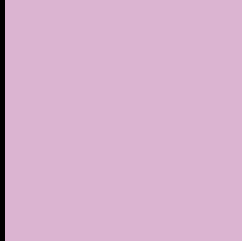
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.3060, 0.3227, 0.2959 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 52.3060, 0.3227, 0.2959**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.3060, 0.3227, 0.2959.



This preview shows how white text looks on a background with the Yxy color 52.3060, 0.3227, 0.2959.

# 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

52.3060, 0.3227, 0.2959

### Protanopia

52.4246, 0.2929, 0.2986

### Deuteranopia

52.3684, 0.3098, 0.3029



## Tritanopia

52.1931, 0.3314, 0.3128

# Trichromacy



## Original Color

52.3060, 0.3227, 0.2959

## Protanomaly

52.0640, 0.3029, 0.2969

## Deuteranomaly

52.3904, 0.3149, 0.3009

## Tritanomaly

52.1702, 0.3283, 0.3059

# Monochromacy



## Original Color

52.3060, 0.3227, 0.2959

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

53.8344, 0.3165, 0.3171

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.3060, 0.3227, 0.2959 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(219, 180, 209)` looks like.

```
.text, #text, p{  
    color:rgb(219, 180, 209)  
}
```

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(219, 180, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 180, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 52.3060, 0.3227, 0.2959 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(219, 180, 209) }
```

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

```
.border{ border-color:rgb(219, 180, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 180, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 180, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 180, 209);  
box-shadow:4px 4px 4px 4px rgb(219, 180,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.3060, 0.3227, 0.2959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 180, 209) }
```

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

```
.background{ background-color: rgb(219,  
180, 209) }
```

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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