

# Converting Colors

$Y_{xy}(52.3761, 0.3008, 0.2645)$

Have a look what the booklet for  
Yxy(52.3761, 0.3008, 0.2645)  
contains.

<b>Yxy(52.2521, 0.3003, 0.2638)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(52.2521, 0.3003, 0.2638)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9B1EC
RGB	217, 177, 236
RGB Percent	85%, 69%, 93%
CMY	0.1490, 0.3059, 0.0743
CMYK	0.08, 0.25, 0.00, 0.07
HSL	281°, 61%, 81%
HSV	281°, 25%, 93%
XYZ	59.4818, 52.2521, 86.3408
YIQ	195.6860, 4.9010, 26.8290

# Conversions

## Conversions Part 2

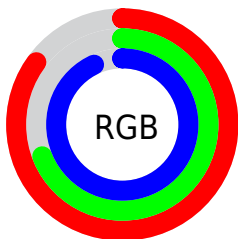
Format	Color
R <sub>Y</sub> B	217, 177, 236
Decimal	14266860
CIE Lab	77.43, 24.96, -24.03
CIE LCh	77, 34.646, 316.086
Yxy	52.2521, 0.3003, 0.2638
Android (android.graphics.Color)	4292456940 (0xFFD9B1EC)
YUV	195.6860, 19.8748, 18.6924
Hunter-Lab	72.2856, 20.3829, -20.2184

# Details

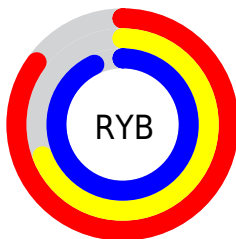
The Yxy color  $52.2521, 0.3003, 0.2638$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $74.9330, 0.3221, 0.3975$ , and the grayscale version is  $54.8826, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.7578, 0.3137, 0.3078$ , and  $25.3920, 0.2969, 0.2484$  is the 20% darker color. If you saturate the color by 10%, you get  $42.5821, 0.2938, 0.2360$ , and if you desaturate by 10%, it is  $63.5931, 0.3059, 0.2909$ .

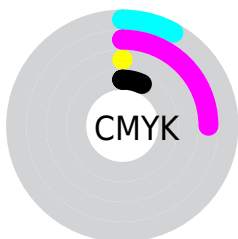
# Distribution



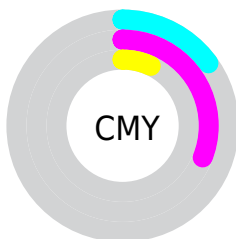
- Red (85%)
- Green (69%)
- Blue (93%)



- Red (85%)
- Yellow (69%)
- Blue (93%)



- Cyan (8%)
- Magenta (25%)
- Yellow (0%)
- Black (7%)




- Cyan (15%)
- Magenta (31%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2521, 0.3003, 0.2638 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 52.2521, 0.3003, 0.2638 by changing the saturation by 10% instead.





 52.2521, 0.3003,  
0.2638

 52.2521, 0.3003,  
0.2638

395.4091, 0.3069,  
0.2941

 37.2061, 0.2986,  
0.2569


 93.5029, 0.3028,  
0.2743

 25.3671, 0.2963,  
0.2483


120.4765, 0.3037,  
0.2784

 16.3507, 0.2933,  
0.2375

152.1947, 0.3044,  
0.2820

 9.7727, 0.2891,  
0.2234

189.0420, 0.3051,  
0.2850

 5.2485, 0.2828,  
0.2044

231.4026, 0.3056,  
0.2877

 2.3938, 0.2725,  
0.1776

279.6611, 0.3061,

 0.8227, 0.2540,

0.2901

0.1375

334.2018, 0.3065,  
0.2922

0.0000, 0.1916,  
0.0000

0.0000, 0.0000,  
0.0000

52.2521, 0.3003,  
0.2638

52.2521, 0.3003,  
0.2638

42.5821, 0.2938,  
0.2360

63.5931, 0.3059,  
0.2909

34.4927, 0.2865,  
0.2085

76.6761, 0.3106,  
0.3167

27.8950, 0.2784,  
0.1823

91.5763, 0.3146,  
0.3408

22.6883, 0.2698,  
0.1586

97.4358, 0.3190,  
0.3476

■ 18.7591, 0.2610,  
0.1388

■ 98.8387, 0.3238,  
0.3473

■ 15.9757, 0.2522,  
0.1235

■ 14.1763, 0.2438,  
0.1132

■ 13.5219, 0.2397,  
0.1094

# Harmonies

## Analogous

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



52.2521, 0.2594, 0.2543



52.2521, 0.3003, 0.2638



52.2521, 0.3479, 0.2877

# Triad

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



52.2521, 0.3003, 0.2638



52.2521, 0.3963, 0.3921



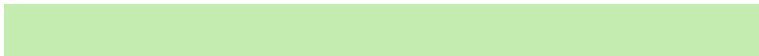
52.2521, 0.2422, 0.3301

# Complementary

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



52.2521, 0.3003, 0.2638



74.9330, 0.3221, 0.3975

# 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.



52.2521, 0.2751, 0.3759



52.2521, 0.3003, 0.2638



52.2521, 0.3642, 0.4119

# Square

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



52.2521, 0.3003, 0.2638



52.2521, 0.4056, 0.3587



52.2521, 0.3195, 0.4073



52.2521, 0.2279, 0.2884



# Rectangle

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



52.2521, 0.3003, 0.2638



52.2521, 0.3762, 0.3094



52.2521, 0.3195, 0.4073



52.2521, 0.2513, 0.3458

# Sweetspot

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



52.2543, 0.3003, 0.2638



86.4410, 0.3093, 0.3091



55.1939, 0.2718, 0.2822



17.9895, 0.3086, 0.3052



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.



52.2543, 0.3003, 0.2638



56.1364, 0.2971, 0.2496



54.7870, 0.3234, 0.2765



15.0561, 0.3086, 0.3054



7.5231, 0.2410, 0.1101



0.6422, 0.2523, 0.1163



# Inverse Universe

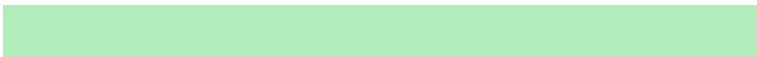
The Inverse Universe completely reimagines the original color for something new.



53.2724, 0.3487, 0.3081



57.6204, 0.3585, 0.3035



72.9448, 0.3036, 0.3879



15.1341, 0.3242, 0.3214



10.1394, 0.5677, 0.2901

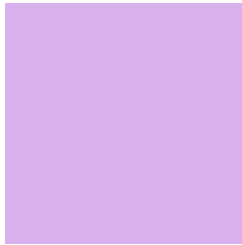


0.8132, 0.5286, 0.2686



# Previews

## White Background



This preview shows how the Yxy color 52.2521, 0.3003, 0.2638 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

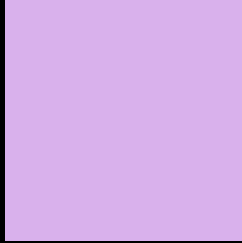
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.2521, 0.3003, 0.2638 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

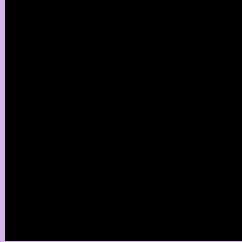
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.2521, 0.3003, 0.2638**

## Background



This preview shows how black text looks on a background with the Yxy color 52.2521, 0.3003, 0.2638.



This preview shows how white text looks on a background with the Yxy color 52.2521, 0.3003, 0.2638.

# 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

52.2521, 0.3003, 0.2638

### Protanopia

52.3349, 0.2656, 0.2632

### Deuteranopia

52.3000, 0.2806, 0.2738



## Tritanopia

52.2071, 0.3244, 0.3125

# Trichromacy



**Original Color**

52.2521, 0.3003, 0.2638

**Protanomaly**

52.3152, 0.2775, 0.2634

**Deuteranomaly**

52.0072, 0.2872, 0.2692

**Tritanomaly**

51.9473, 0.3152, 0.2932

# Monochromacy



**Original Color**

52.2521, 0.3003, 0.2638

**Achromatopsia**

55.2011, 0.3127, 0.3290

**Achromatomaly**

53.9357, 0.3083, 0.3031

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.2521, 0.3003, 0.2638 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(217, 177, 236)` looks like.

```
.text, #text, p{  
    color:rgb(217, 177, 236)  
}
```

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(217, 177, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 177, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2521, 0.3003, 0.2638 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(217, 177, 236) }
```

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

```
.border{ border-color:rgb(217, 177, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 177, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 177, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 177, 236); box-shadow:4px 4px 4px 4px rgb(217, 177, 236) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2521, 0.3003, 0.2638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 177, 236) }
```

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

```
.background{ background-color: rgb(217,  
177, 236) }
```

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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