

# Converting Colors

Yxy(52.9450, 0.3152, 0.2580)

Have a look what the booklet for  
Yxy(52.9450, 0.3152, 0.2580)  
contains.

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# Color

**Yxy(52.9270, 0.3152, 0.2577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDAAEE
RGB	237, 170, 238
RGB Percent	93%, 67%, 93%
CMY	0.0706, 0.3333, 0.0665
CMYK	0.00, 0.29, 0.00, 0.07
HSL	299°, 67%, 80%
HSV	299°, 29%, 93%
XYZ	64.7365, 52.9270, 87.7187
YIQ	197.7850, 18.1040, 35.3520

# Conversions

## Conversions Part 2

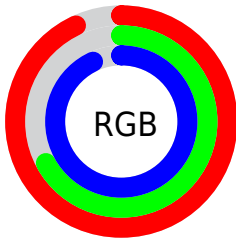
Format	Color
R <sub>Y</sub> B	237, 170, 238
Decimal	15575790
CIE Lab	77.83, 35.47, -24.32
CIE LCh	78, 43.008, 325.567
Yxy	52.9270, 0.3152, 0.2577
Android (android.graphics.Color)	4293765870 (0xFFEDAEEE)
YUV	197.7850, 19.8260, 34.3916
Hunter-Lab	72.7509, 31.5217, -20.5627

# Details

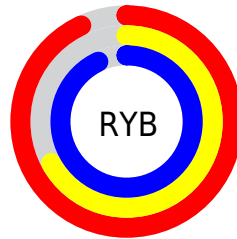
The Yxy color  $52.9270, 0.3152, 0.2577$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $72.7330, 0.3095, 0.4119$ , and the grayscale version is  $56.2058, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $82.8727, 0.3140, 0.3009$ , and  $25.8033, 0.3146, 0.2414$  is the 20% darker color. If you saturate the color by 10%, you get  $44.7362, 0.3160, 0.2334$ , and if you desaturate by 10%, it is  $62.7382, 0.3144, 0.2828$ .

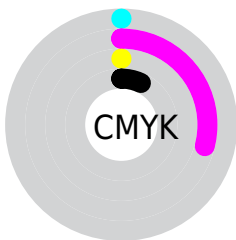
# Distribution



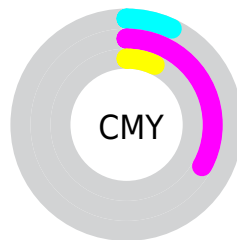
- Red (93%)
- Green (67%)
- Blue (93%)



- Red (93%)
- Yellow (67%)
- Blue (93%)



- Cyan (0%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)




- Cyan (7%)
- Magenta (33%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9270, 0.3152, 0.2577 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 52.9270, 0.3152, 0.2577 by changing the saturation by 10% instead.





 52.9270, 0.3152,  
0.2577

 52.9270, 0.3152,  
0.2577

398.0050, 0.3148,  
0.2904

 37.7445, 0.3151,  
0.2503


 94.4969, 0.3152,  
0.2690

 25.7844, 0.3149,  
0.2413


121.6532, 0.3152,  
0.2734

 16.6625, 0.3144,  
0.2299


153.5694, 0.3151,  
0.2772

 9.9941, 0.3135,  
0.2153

190.6301, 0.3151,  
0.2805

 5.3951, 0.3118,  
0.1958

233.2196, 0.3150,  
0.2835

 2.4809, 0.3083,  
0.1688

281.7223, 0.3149,

 0.8670, 0.3003,

0.2860

0.1297

336.5227, 0.3149,  
0.2884

0.0000, 0.2955,  
0.0000

0.0000, 0.0000,  
0.0000

52.9270, 0.3152,  
0.2577

52.9270, 0.3152,  
0.2577

44.7362, 0.3160,  
0.2334

62.7382, 0.3144,  
0.2828

38.0716, 0.3166,  
0.2110


74.2436, 0.3135,  
0.3080

32.8401, 0.3171,  
0.1913

87.5207, 0.3126,  
0.3324

28.9354, 0.3174,  
0.1753


95.9497, 0.3122,  
0.3459


 26.2368, 0.3175,  
0.1635


 96.0124, 0.3124,  
0.3458


 24.6012, 0.3174,  
0.1560

 96.0753, 0.3126,  
0.3458

 23.8211, 0.3171,  
0.1524

 96.1383, 0.3129,  
0.3458

 23.7391, 0.3171,  
0.1520

 96.2014, 0.3131,  
0.3458

 96.2647, 0.3133,  
0.3458

# Harmonies

## Analogous

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



52.9270, 0.2612, 0.2402



52.9270, 0.3152, 0.2577



52.9270, 0.3735, 0.2904

# Triad

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



52.9270, 0.3152, 0.2577



52.9270, 0.4048, 0.4156



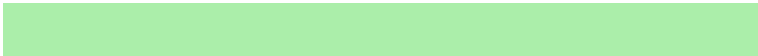
52.9270, 0.2188, 0.3115

# Complementary

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



52.9270, 0.3152, 0.2577



72.7330, 0.3095, 0.4119

# 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.



52.9270, 0.2513, 0.3701



52.9270, 0.3152, 0.2577



52.9270, 0.3583, 0.4341

# Square

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



52.9270, 0.3152, 0.2577



52.9270, 0.4272, 0.3773



52.9270, 0.3020, 0.4185



52.9270, 0.2097, 0.2658



# Rectangle

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



52.9270, 0.3152, 0.2577



52.9270, 0.4049, 0.3179



52.9270, 0.3020, 0.4185



52.9270, 0.2271, 0.3305

# Sweetspot

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



52.9293, 0.3152, 0.2577



86.1554, 0.3135, 0.3068



43.8974, 0.2627, 0.2474



17.9960, 0.3137, 0.3032



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.



52.9293, 0.3152, 0.2577



56.3475, 0.3156, 0.2441



51.3475, 0.3436, 0.2908



16.0185, 0.3136, 0.3057



13.2452, 0.3171, 0.1521



1.1058, 0.3177, 0.1524



# Inverse Universe

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



49.8740, 0.3749, 0.3280



52.2639, 0.3922, 0.3278



74.0215, 0.2902, 0.3708



15.7627, 0.3291, 0.3287



10.1471, 0.6385, 0.3291



0.8455, 0.6342, 0.3267



# Previews

## White Background



This preview shows how the Yxy color 52.9270, 0.3152, 0.2577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

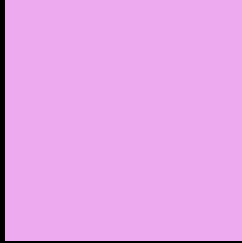
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.9270, 0.3152, 0.2577 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

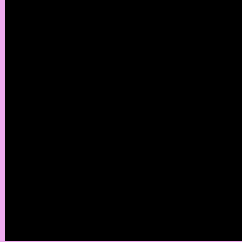
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.9270, 0.3152, 0.2577**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.9270, 0.3152, 0.2577.



This preview shows how white text looks on a background with the Yxy color 52.9270, 0.3152, 0.2577.

# 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

52.9270, 0.3152, 0.2577

### Protanopia

53.1489, 0.2604, 0.2561

### Deuteranopia

53.3405, 0.2809, 0.2752



## Tritanopia

53.0794, 0.3466, 0.3134

# Trichromacy



## Original Color

52.9270, 0.3152, 0.2577



## Protanomaly

52.6501, 0.2778, 0.2559



## Deuteranomaly

52.7774, 0.2926, 0.2681



## Tritanomaly

52.9778, 0.3351, 0.2927

# Monochromacy



## Original Color

52.9270, 0.3152, 0.2577



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

54.7676, 0.3133, 0.3002

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.9270, 0.3152, 0.2577 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(237, 170, 238)` looks like.

```
.text, #text, p{  
    color:rgb(237, 170, 238)  
}
```

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(237, 170, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 170, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 52.9270, 0.3152, 0.2577 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(237, 170, 238) }
```

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

```
.border{ border-color:rgb(237, 170, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 170, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 170, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 170, 238);  
box-shadow:4px 4px 4px 4px rgb(237, 170,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.9270, 0.3152, 0.2577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 170, 238) }
```

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

```
.background{ background-color: rgb(237,  
170, 238) }
```

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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