

# Converting Colors

$Y_{xy}(52.9117, 0.3175, 0.2585)$

Have a look what the booklet for  
Yxy(52.9117, 0.3175, 0.2585)  
contains.

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# Color

**Yxy(52.8411, 0.3177, 0.2580)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EFA9ED
RGB	239, 169, 237
RGB Percent	94%, 66%, 93%
CMY	0.0628, 0.3372, 0.0705
CMYK	0.00, 0.29, 0.01, 0.06
HSL	302°, 69%, 80%
HSV	302°, 29%, 94%
XYZ	65.0683, 52.8411, 86.9011
YIQ	197.6820, 19.8920, 35.9880

# Conversions

## Conversions Part 2

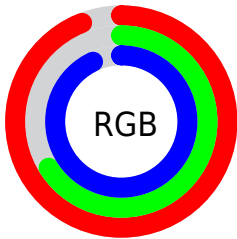
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 169, 237
Decimal	15706605
CIE Lab	77.78, 36.44, -23.83
CIE LCh	78, 43.539, 326.823
Yxy	52.8411, 0.3177, 0.2580
Android (android.graphics.Color)	4293896685 (0xFFEFA9ED)
YUV	197.6820, 19.3838, 36.2359
Hunter-Lab	72.6919, 32.5689, -19.9952

# Details

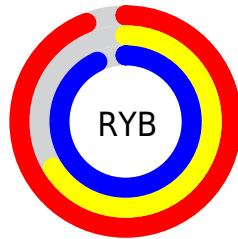
The Yxy color **52.8411, 0.3177, 0.2580** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **73.1004, 0.3076, 0.4120**, and the grayscale version is **56.1416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3304, 0.3141, 0.2999**, and **25.7721, 0.3179, 0.2419** is the 20% darker color. If you saturate the color by 10%, you get **44.7093, 0.3195, 0.2345**, and if you desaturate by 10%, it is **62.6028, 0.3159, 0.2824**.

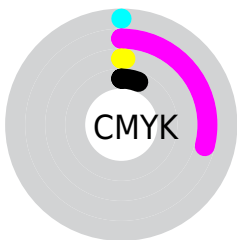
# Distribution



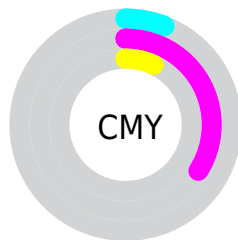
- Red (94%)
- Green (66%)
- Blue (93%)



- Red (94%)
- Yellow (66%)
- Blue (93%)



- Cyan (0%)
- Magenta (29%)
- Yellow (1%)
- Black (6%)




- Cyan (6%)
- Magenta (34%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8411, 0.3177, 0.2580 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 52.8411, 0.3177, 0.2580 by changing the saturation by 10% instead.





 52.8411, 0.3177,  
0.2580

 52.8411, 0.3177,  
0.2580


397.6752, 0.3161,  
0.2906

 37.6759, 0.3179,  
0.2507


 94.3705, 0.3173,  
0.2692

 25.7313, 0.3180,  
0.2416

121.5035, 0.3171,  
0.2736

 16.6227, 0.3180,  
0.2303


153.3947, 0.3169,  
0.2774

 9.9659, 0.3178,  
0.2157

190.4282, 0.3167,  
0.2807

 5.3763, 0.3169,  
0.1963

232.9887, 0.3165,  
0.2836

 2.4697, 0.3146,  
0.1694

281.4604, 0.3164,

 0.8614, 0.3086,

0.2862

0.1303

336.2278, 0.3162,  
0.2885

0.0000, 0.3091,  
0.0000

0.0000, 0.0000,  
0.0000

52.8411, 0.3177,  
0.2580

52.8411, 0.3177,  
0.2580

44.7093, 0.3195,  
0.2345

62.6028, 0.3159,  
0.2824

38.1118, 0.3213,  
0.2128

74.0692, 0.3142,  
0.3069

32.9538, 0.3231,  
0.1940

87.3192, 0.3126,  
0.3307

29.1273, 0.3246,  
0.1788

96.1421, 0.3116,  
0.3442

26.5088, 0.3260,  
0.1678

96.1822, 0.3112,  
0.3435

24.9521, 0.3272,  
0.1612

96.2223, 0.3108,  
0.3428

24.2290, 0.3281,  
0.1583

96.2627, 0.3104,  
0.3421

24.1889, 0.3282,  
0.1582

96.3031, 0.3100,  
0.3414

96.3437, 0.3096,  
0.3408

# Harmonies

## Analogous

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



52.8411, 0.2626, 0.2396



52.8411, 0.3177, 0.2580



52.8411, 0.3765, 0.2916

# Triad

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



52.8411, 0.3177, 0.2580



52.8411, 0.4043, 0.4179



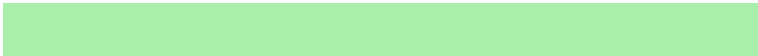
52.8411, 0.2168, 0.3089

# Complementary

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



52.8411, 0.3177, 0.2580



73.1004, 0.3076, 0.4120

# 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.



52.8411, 0.2487, 0.3681



52.8411, 0.3177, 0.2580



52.8411, 0.3565, 0.4356

# Square

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



52.8411, 0.3177, 0.2580



52.8411, 0.4284, 0.3795



52.8411, 0.2994, 0.4183



52.8411, 0.2087, 0.2635



# Rectangle

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



52.8411, 0.3177, 0.2580



52.8411, 0.4077, 0.3196



52.8411, 0.2994, 0.4183



52.8411, 0.2249, 0.3279

# Sweetspot

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



52.8434, 0.3177, 0.2580



86.1798, 0.3142, 0.3075



43.1768, 0.2619, 0.2438



18.0021, 0.3144, 0.3039



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.



52.8434, 0.3177, 0.2580



55.5008, 0.3188, 0.2441



51.0319, 0.3467, 0.2922



16.0233, 0.3142, 0.3064



13.3726, 0.3281, 0.1581



1.1149, 0.3271, 0.1575



# Inverse Universe

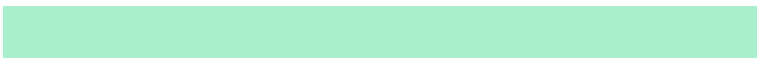
The Inverse Universe completely reimagines the original color for something new.



52.8434, 0.3177, 0.2580



55.5008, 0.3188, 0.2441



74.5766, 0.2884, 0.3691



16.0233, 0.3142, 0.3064



13.3726, 0.3281, 0.1581



1.1149, 0.3271, 0.1575



# Previews

## White Background



This preview shows how the Yxy color 52.8411, 0.3177, 0.2580 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

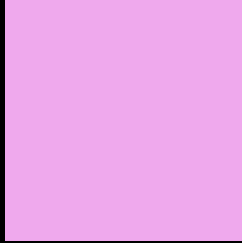
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.8411, 0.3177, 0.2580 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

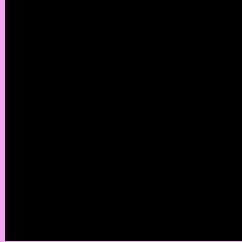
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.8411, 0.3177, 0.2580**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.8411, 0.3177, 0.2580.



This preview shows how white text looks on a background with the Yxy color 52.8411, 0.3177, 0.2580.

# 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

52.8411, 0.3177, 0.2580

### Protanopia

53.0853, 0.2610, 0.2571

### Deuteranopia

52.9260, 0.2828, 0.2763



## Tritanopia

52.9260, 0.3502, 0.3146

# Trichromacy



## Original Color

52.8411, 0.3177, 0.2580



## Protanomaly

52.3134, 0.2791, 0.2559



## Deuteranomaly

52.3982, 0.2947, 0.2691



## Tritanomaly

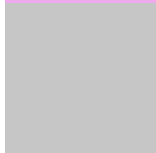
52.8762, 0.3378, 0.2929

# Monochromacy



## Original Color

52.8411, 0.3177, 0.2580



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

54.4402, 0.3149, 0.3002

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.8411, 0.3177, 0.2580 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(239, 169, 237)` looks like.

```
.text, #text, p{  
    color:rgb(239, 169, 237)  
}
```

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(239, 169, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 169, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 52.8411, 0.3177, 0.2580 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(239, 169, 237) }
```

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

```
.border{ border-color:rgb(239, 169, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 169, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 169, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 169, 237);  
box-shadow:4px 4px 4px 4px rgb(239, 169,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.8411, 0.3177, 0.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 169, 237) }
```

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

```
.background{ background-color: rgb(239,  
169, 237) }
```

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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