

# Converting Colors

$Y_{xy}(50.6058, 0.3278, 0.2680)$

Have a look what the booklet for  
Yxy(50.6058, 0.3278, 0.2680)  
contains.

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# Color

**Yxy(50.6047, 0.3278, 0.2680)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDA6DF
RGB	237, 166, 223
RGB Percent	93%, 65%, 87%
CMY	0.0703, 0.3491, 0.1255
CMYK	0.00, 0.30, 0.06, 0.07
HSL	312°, 66%, 79%
HSV	312°, 30%, 93%
XYZ	61.8963, 50.6047, 76.3225
YIQ	193.7270, 24.0190, 32.7790

# Conversions

## Conversions Part 2

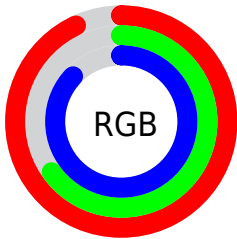
Format	Color
R <sub>Y</sub> B	237, 166, 223
Decimal	15574751
CIE Lab	76.44, 34.95, -18.28
CIE LCh	76, 39.441, 332.381
Yxy	50.6047, 0.3278, 0.2680
Android (android.graphics.Color)	4293764831 (0xFFEDA6DF)
YUV	193.7270, 14.4316, 37.9504
Hunter-Lab	71.1370, 30.8233, -13.8160

# Details

The Yxy color **50.6047, 0.3278, 0.2680** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **72.0050, 0.3006, 0.3989**, and the grayscale version is **53.6839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7226, 0.3142, 0.2970**, and **24.3407, 0.3305, 0.2530** is the 20% darker color. If you saturate the color by 10%, you get **42.5203, 0.3342, 0.2478**, and if you desaturate by 10%, it is **60.2890, 0.3221, 0.2887**.

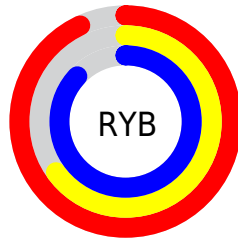
# Distribution



Red (93%)

Green (65%)

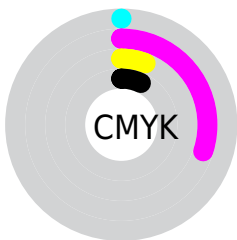
Blue (87%)



Red (93%)

Yellow (65%)

Blue (87%)

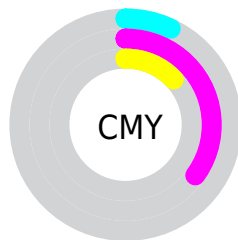


Cyan (0%)

Magenta (30%)

Yellow (6%)

Black (7%)



Cyan (7%)

Magenta (35%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6047, 0.3278, 0.2680 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 50.6047, 0.3278, 0.2680 by changing the saturation by 10% instead.




 50.6047, 0.3278,  
0.2680


 50.6047, 0.3278,  
0.2680


389.0260, 0.3211,  
0.2965

 35.8941, 0.3293,  
0.2615


 91.0702, 0.3255,  
0.2779

 24.3524, 0.3310,  
0.2533


 117.5939, 0.3246,  
0.2818

 15.5953, 0.3332,  
0.2431


148.8240, 0.3238,  
0.2851

 9.2382, 0.3359,  
0.2296

185.1451, 0.3231,  
0.2880

 4.8969, 0.3394,  
0.2113

226.9414, 0.3225,  
0.2905

 2.1869, 0.3437,  
0.1852

274.5974, 0.3220,

 0.7128, 0.3495,

0.2927

0.1436

328.4975, 0.3215,  
0.2947

0.0000, 0.3604,  
0.0000

0.0000, 0.0000,  
0.0000

50.6047, 0.3278,  
0.2680

50.6047, 0.3278,  
0.2680

42.5203, 0.3342,  
0.2478

60.2890, 0.3221,  
0.2887

35.9415, 0.3413,  
0.2289

71.6471, 0.3170,  
0.3092

30.7748, 0.3488,  
0.2124

84.7566, 0.3127,  
0.3290

26.9131, 0.3566,  
0.1994

95.9313, 0.3092,  
0.3421

■ 24.2342, 0.3644,  
0.1905

■ 96.2161, 0.3066,  
0.3374

■ 22.5928, 0.3720,  
0.1863

■ 96.5083, 0.3039,  
0.3328

■ 21.7424, 0.3793,  
0.1863

■ 96.7552, 0.3018,  
0.3290

■ 21.7414, 0.3793,  
0.1863

# Harmonies

## Analogous

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



50.6047, 0.2751, 0.2479



50.6047, 0.3278, 0.2680



50.6047, 0.3803, 0.3015

# Triad

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



50.6047, 0.3278, 0.2680



50.6047, 0.3906, 0.4161



50.6047, 0.2208, 0.3018

# Complementary

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



50.6047, 0.3278, 0.2680



72.0050, 0.3006, 0.3989

# 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.



50.6047, 0.2468, 0.3548



50.6047, 0.3278, 0.2680



50.6047, 0.3441, 0.4262

# Square

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



50.6047, 0.3278, 0.2680



50.6047, 0.4173, 0.3838



50.6047, 0.2913, 0.4037



50.6047, 0.2173, 0.2632



# Rectangle

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



50.6047, 0.3278, 0.2680



50.6047, 0.4059, 0.3284



50.6047, 0.2913, 0.4037



50.6047, 0.2270, 0.3186

# Sweetspot

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



50.6070, 0.3278, 0.2680



85.9326, 0.3166, 0.3112



42.9664, 0.2693, 0.2435



17.9407, 0.3173, 0.3082



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.



50.6070, 0.3278, 0.2680



53.6312, 0.3317, 0.2554



48.9307, 0.3587, 0.3041



15.2597, 0.3168, 0.3103



11.8821, 0.3782, 0.1857



0.9460, 0.3687, 0.1805



# Inverse Universe

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



50.6070, 0.3278, 0.2680



53.6312, 0.3317, 0.2554



73.5918, 0.2814, 0.3556



15.2597, 0.3168, 0.3103



11.8821, 0.3782, 0.1857



0.9460, 0.3687, 0.1805



# Previews

## White Background



This preview shows how the Yxy color 50.6047, 0.3278, 0.2680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

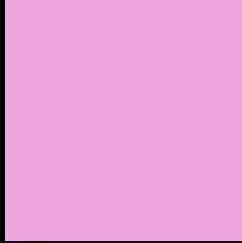
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.6047, 0.3278, 0.2680 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

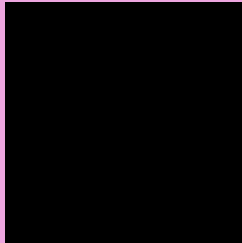
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.6047, 0.3278, 0.2680**

## Background



This preview shows how black text looks on a background with the Yxy color 50.6047, 0.3278, 0.2680.



This preview shows how white text looks on a background with the Yxy color 50.6047, 0.3278, 0.2680.

# 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

50.6047, 0.3278, 0.2680

### Protanopia

51.0022, 0.2702, 0.2692

### Deuteranopia

50.7857, 0.2931, 0.2859



## Tritanopia

50.5881, 0.3548, 0.3144

# Trichromacy



## Original Color

50.6047, 0.3278, 0.2680



## Protanomaly

50.2085, 0.2891, 0.2676



## Deuteranomaly

50.2200, 0.3051, 0.2782



## Tritanomaly

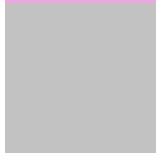
50.3654, 0.3455, 0.2969

# Monochromacy



## Original Color

50.6047, 0.3278, 0.2680



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

52.3904, 0.3180, 0.3044

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.6047, 0.3278, 0.2680 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, 166, 223)` looks like.

```
.text, #text, p{  
    color:rgb(237, 166, 223)  
}
```

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, 166, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 166, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 50.6047, 0.3278, 0.2680 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, 166, 223) }
```

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

```
.border{ border-color:rgb(237, 166, 223) }
```

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

Here you see how a box with a 4 pixel rgb(237, 166, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 166, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 166, 223);  
box-shadow:4px 4px 4px 4px rgb(237, 166,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.6047, 0.3278, 0.2680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 166, 223) }
```

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

```
.background{ background-color: rgb(237,  
166, 223) }
```

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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