

# Converting Colors

$Y_{xy}(58.2577, 0.3044, 0.2679)$

Have a look what the booklet for  
Yxy(58.2577, 0.3044, 0.2679)  
contains.

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# **Color**

**Yxy(58.3075, 0.3039, 0.2676)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5BAF4
RGB	229, 186, 244
RGB Percent	90%, 73%, 96%
CMY	0.1017, 0.2707, 0.0431
CMYK	0.06, 0.24, 0.00, 0.04
HSL	285°, 73%, 84%
HSV	285°, 24%, 96%
XYZ	66.2169, 58.3075, 93.3661
YIQ	205.4690, 7.0100, 27.1540

# Conversions

## Conversions Part 2

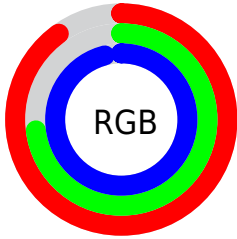
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 186, 244
Decimal	15055604
CIE Lab	80.91, 25.53, -22.92
CIE LCh	81, 34.315, 318.085
Yxy	58.3075, 0.3039, 0.2676
Android (android.graphics.Color)	4293245684 (0xFFE5BAF4)
YUV	205.4690, 18.9958, 20.6367
Hunter-Lab	76.3593, 21.1619, -19.0435

# Details

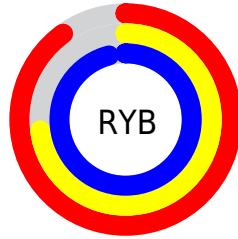
The Yxy color **58.3075, 0.3039, 0.2676** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **80.6657, 0.3192, 0.3944**, and the grayscale version is **61.2425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9843, 0.3133, 0.3165**, and **29.2901, 0.3007, 0.2538** is the 20% darker color. If you saturate the color by 10%, you get **47.8766, 0.2990, 0.2404**, and if you desaturate by 10%, it is **70.5364, 0.3081, 0.2943**.

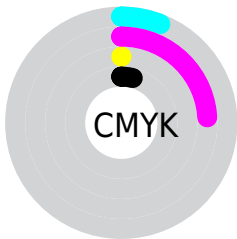
# Distribution



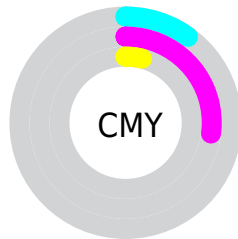
- Red (90%)
- Green (73%)
- Blue (96%)



- Red (90%)
- Yellow (73%)
- Blue (96%)



- Cyan (6%)
- Magenta (24%)
- Yellow (0%)
- Black (4%)




- Cyan (10%)
- Magenta (27%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3075, 0.3039, 0.2676 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 58.3075, 0.3039, 0.2676 by changing the saturation by 10% instead.




 58.3075, 0.3039,  
0.2676

 58.3075, 0.3039,  
0.2676


418.3308, 0.3086,  
0.2957

 42.0559, 0.3027,  
0.2613


 102.3705, 0.3057,  
0.2773

 29.1451, 0.3011,  
0.2535


130.9507, 0.3063,  
0.2811

 19.1906, 0.2989,  
0.2438


164.4093, 0.3069,  
0.2843

 11.8081, 0.2959,  
0.2313

203.1305, 0.3073,  
0.2872

 6.6131, 0.2914,  
0.2146

247.4989, 0.3077,  
0.2897

 3.2214, 0.2843,  
0.1914


297.8988, 0.3081,

 1.2484, 0.2716,


0.2919


0.1573


354.7147, 0.3084,  
0.2939

 0.1007, 0.2622,  
0.0367


 0.0000, 0.0000,  
0.0000


 58.3075, 0.3039,  
0.2676


 58.3075, 0.3039,  
0.2676


 47.8766, 0.2990,  
0.2404

 70.5364, 0.3081,  
0.2943


 39.1466, 0.2934,  
0.2136

 84.6389, 0.3116,  
0.3197

 32.0226, 0.2872,  
0.1883

 97.9960, 0.3146,  
0.3397

 26.3972, 0.2805,  
0.1655

 99.1645, 0.3186,  
0.3395

■ 22.1496, 0.2735,  
0.1465

■ 99.3128, 0.3191,  
0.3395

■ 19.1399, 0.2664,  
0.1320

■ 17.1978, 0.2595,  
0.1222

■ 16.3717, 0.2554,  
0.1180

# Harmonies

## Analogous

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



58.3075, 0.2639, 0.2575



58.3075, 0.3039, 0.2676



58.3075, 0.3493, 0.2914

# Triad

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



58.3075, 0.3039, 0.2676



58.3075, 0.3912, 0.3914



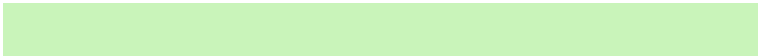
58.3075, 0.2437, 0.3273

# Complementary

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



58.3075, 0.3039, 0.2676



80.6657, 0.3192, 0.3944

# 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.



58.3075, 0.2743, 0.3710



58.3075, 0.3039, 0.2676



58.3075, 0.3594, 0.4086

# Square

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



58.3075, 0.3039, 0.2676



58.3075, 0.4017, 0.3600



58.3075, 0.3164, 0.4023



58.3075, 0.2312, 0.2881



# Rectangle

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



58.3075, 0.3039, 0.2676



58.3075, 0.3757, 0.3126



58.3075, 0.3164, 0.4023



58.3075, 0.2521, 0.3421

# Sweetspot

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



58.3100, 0.3039, 0.2676



88.2731, 0.3105, 0.3117



58.9560, 0.2735, 0.2801



18.6883, 0.3103, 0.3101



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.



58.3100, 0.3039, 0.2676



58.1107, 0.3014, 0.2533



60.0857, 0.3258, 0.2828



16.5408, 0.3097, 0.3054



8.9695, 0.2564, 0.1186



0.8374, 0.2648, 0.1233



# Inverse Universe

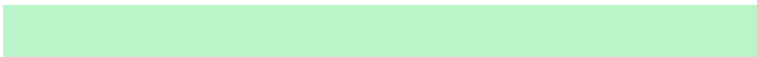
The Inverse Universe completely reimagines the original color for something new.



58.5599, 0.3497, 0.3131



58.5033, 0.3607, 0.3093



79.2968, 0.3019, 0.3801



16.5526, 0.3253, 0.3229



10.6711, 0.5907, 0.3028



0.9540, 0.5556, 0.2834



# Previews

## White Background



This preview shows how the Yxy color 58.3075, 0.3039, 0.2676 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

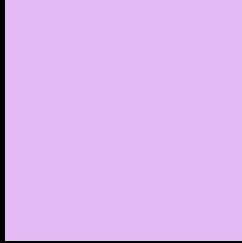
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.3075, 0.3039, 0.2676 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

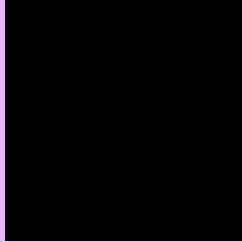
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.3075, 0.3039, 0.2676**

## Background



This preview shows how black text looks on a background with the Yxy color 58.3075, 0.3039, 0.2676.

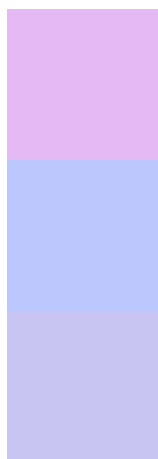


This preview shows how white text looks on a background with the Yxy color 58.3075, 0.3039, 0.2676.

# 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

58.3075, 0.3039, 0.2676

### Protanopia

58.6301, 0.2693, 0.2681

### Deuteranopia

58.6227, 0.2840, 0.2784



## Tritanopia

58.5413, 0.3264, 0.3122

# Trichromacy



## Original Color

58.3075, 0.3039, 0.2676

## Protanomaly

58.1822, 0.2809, 0.2671

## Deuteranomaly

58.4599, 0.2911, 0.2740

## Tritanomaly

58.2161, 0.3183, 0.2949

# Monochromacy



## Original Color

58.3075, 0.3039, 0.2676

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

59.7988, 0.3100, 0.3053

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.3075, 0.3039, 0.2676 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(229, 186, 244)` looks like.

```
.text, #text, p{  
    color:rgb(229, 186, 244)  
}
```

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(229, 186, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 186, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 58.3075, 0.3039, 0.2676 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(229, 186, 244) }
```

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

```
.border{ border-color:rgb(229, 186, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 186, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 186, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 186, 244);  
box-shadow:4px 4px 4px 4px rgb(229, 186,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.3075, 0.3039, 0.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 186, 244) }
```

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

```
.background{ background-color: rgb(229,  
186, 244) }
```

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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