

# Converting Colors

$Y_{xy}(58.5958, 0.3032, 0.2658)$

Have a look what the booklet for  
Yxy(58.5958, 0.3032, 0.2658)  
contains.

<b>Yxy(58.5946, 0.3032, 0.2659)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(58.5946, 0.3032, 0.2659)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6BAF6
RGB	230, 186, 246
RGB Percent	90%, 73%, 96%
CMY	0.0982, 0.2705, 0.0354
CMYK	0.07, 0.24, 0.00, 0.04
HSL	284°, 77%, 85%
HSV	284°, 24%, 96%
XYZ	66.8142, 58.5946, 94.9545
YIQ	205.9960, 6.9640, 27.9880

# Conversions

## Conversions Part 2

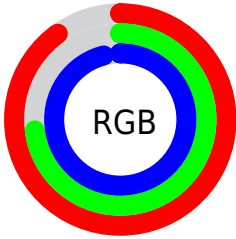
Format	Color
R <sub>Y</sub> B	230, 186, 246
Decimal	15121142
CIE Lab	81.07, 26.18, -23.72
CIE LCh	81, 35.327, 317.820
Yxy	58.5946, 0.3032, 0.2659
Android (android.graphics.Color)	4293311222 (0xFFE6BAF6)
YUV	205.9960, 19.7220, 21.0515
Hunter-Lab	76.5471, 21.8463, -19.9646

# Details

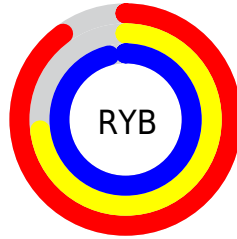
The Yxy color **58.5946, 0.3032, 0.2659** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **82.0024, 0.3197, 0.3962**, and the grayscale version is **61.5863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9843, 0.3133, 0.3165**, and **29.2189, 0.2998, 0.2503** is the 20% darker color. If you saturate the color by 10%, you get **48.0422, 0.2980, 0.2386**, and if you desaturate by 10%, it is **70.9769, 0.3076, 0.2927**.

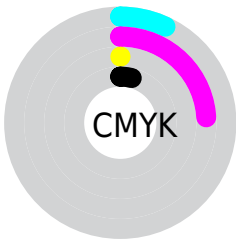
# Distribution



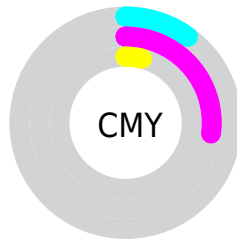
- Red (90%)
- Green (73%)
- Blue (96%)



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



- Cyan (7%)
- Magenta (24%)
- Yellow (0%)
- Black (4%)




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.5946, 0.3032, 0.2659 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 58.5946, 0.3032, 0.2659 by changing the saturation by 10% instead.




 58.5946, 0.3032,  
0.2659

 58.5946, 0.3032,  
0.2659


419.3979, 0.3083,  
0.2947

 42.2869, 0.3019,  
0.2594


 102.7882, 0.3051,  
0.2758

 29.3260, 0.3002,  
0.2515


131.4429, 0.3058,  
0.2797

 19.3276, 0.2979,  
0.2416


164.9820, 0.3064,  
0.2830

 11.9072, 0.2947,  
0.2289

203.7900, 0.3069,  
0.2860

 6.6805, 0.2899,  
0.2120

248.2511, 0.3073,  
0.2885

 3.2631, 0.2824,  
0.1885

298.7499, 0.3077,

 1.2706, 0.2692,

0.2908

0.1543

355.6707, 0.3080,  
0.2929

0.1183, 0.2580,  
0.0406

0.0000, 0.0000,  
0.0000

58.5946, 0.3032,  
0.2659

58.5946, 0.3032,  
0.2659

48.0422, 0.2980,  
0.2386

70.9769, 0.3076,  
0.2927

39.2203, 0.2922,  
0.2117

85.2667, 0.3113,  
0.3183

32.0314, 0.2857,  
0.1863

98.4352, 0.3146,  
0.3377

26.3655, 0.2786,  
0.1636

99.4322, 0.3179,  
0.3376

■ 22.0981, 0.2714,  
0.1446

■ 19.0853, 0.2640,  
0.1302

■ 17.1506, 0.2569,  
0.1206

■ 16.3902, 0.2530,  
0.1168

# Harmonies

## Analogous

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



58.5946, 0.2623, 0.2556



58.5946, 0.3032, 0.2659



58.5946, 0.3498, 0.2901

# Triad

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



58.5946, 0.3032, 0.2659



58.5946, 0.3935, 0.3927



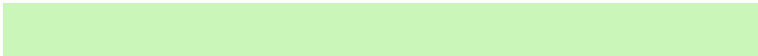
58.5946, 0.2421, 0.3276

# Complementary

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



58.5946, 0.3032, 0.2659



82.0024, 0.3197, 0.3962

# 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.



58.5946, 0.2735, 0.3726



58.5946, 0.3032, 0.2659



58.5946, 0.3610, 0.4108

# Square

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



58.5946, 0.3032, 0.2659



58.5946, 0.4041, 0.3603



58.5946, 0.3168, 0.4046



58.5946, 0.2291, 0.2872



# Rectangle

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



58.5946, 0.3032, 0.2659



58.5946, 0.3771, 0.3118



58.5946, 0.3168, 0.4046



58.5946, 0.2507, 0.3429

# Sweetspot

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



58.5971, 0.3032, 0.2659



88.2424, 0.3104, 0.3117



59.8106, 0.2726, 0.2799



18.6811, 0.3102, 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.



58.5971, 0.3032, 0.2659



57.9933, 0.3009, 0.2531



60.5981, 0.3254, 0.2806



16.5327, 0.3095, 0.3054



8.8228, 0.2542, 0.1174



0.8255, 0.2628, 0.1222



# Inverse Universe

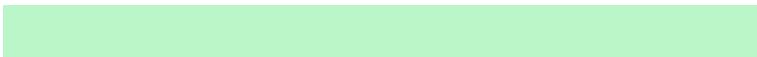
The Inverse Universe completely reimagines the original color for something new.



58.9816, 0.3504, 0.3121



58.5356, 0.3601, 0.3086



80.4613, 0.3022, 0.3828



16.5552, 0.3252, 0.3227



10.6857, 0.5877, 0.3011



0.9556, 0.5524, 0.2817



# Previews

## White Background



This preview shows how the Yxy color 58.5946, 0.3032, 0.2659 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

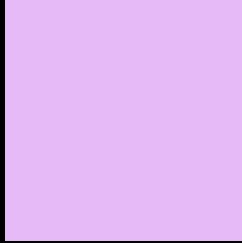
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.5946, 0.3032, 0.2659 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 58.5946, 0.3032, 0.2659**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.5946, 0.3032, 0.2659.

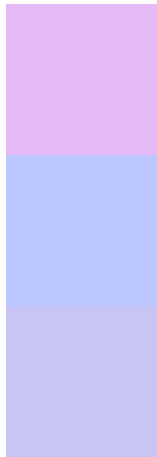


This preview shows how white text looks on a background with the Yxy color 58.5946, 0.3032, 0.2659.

# 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

58.5946, 0.3032, 0.2659

### Protanopia

58.7582, 0.2682, 0.2661

### Deuteranopia

58.7435, 0.2827, 0.2763



## Tritanopia

58.5413, 0.3264, 0.3122

# Trichromacy



## Original Color

58.5946, 0.3032, 0.2659

## Protanomaly

58.3084, 0.2796, 0.2651

## Deuteranomaly

58.5814, 0.2898, 0.2720

## Tritanomaly

58.2696, 0.3176, 0.2939

# Monochromacy



## Original Color

58.5946, 0.3032, 0.2659

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

60.5144, 0.3093, 0.3043

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.5946, 0.3032, 0.2659 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(230, 186, 246)` looks like.

```
.text, #text, p{  
    color:rgb(230, 186, 246)  
}
```

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(230, 186, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 186, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 58.5946, 0.3032, 0.2659 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(230, 186, 246) }
```

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

```
.border{ border-color:rgb(230, 186, 246) }
```

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

Here you see how a box with a 4 pixel rgb(230, 186, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 186, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 186, 246);  
box-shadow:4px 4px 4px 4px rgb(230, 186,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.5946, 0.3032, 0.2659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 186, 246) }
```

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

```
.background{ background-color: rgb(230,  
186, 246) }
```

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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