

# Converting Colors

Yxy(58.1843, 0.3166, 0.2628)

Have a look what the booklet for  
Yxy(58.1843, 0.3166, 0.2628)  
contains.

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# **Color**

**Yxy(58.1843, 0.3166, 0.2628)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5B3F4
RGB	245, 179, 244
RGB Percent	96%, 70%, 96%
CMY	0.0394, 0.2980, 0.0431
CMYK	0.00, 0.27, 0.00, 0.04
HSL	301°, 77%, 83%
HSV	301°, 27%, 96%
XYZ	70.0957, 58.1843, 93.1214
YIQ	206.1440, 18.4710, 34.2070

# Conversions

## Conversions Part 2

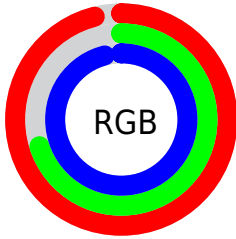
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 179, 244
Decimal	16102388
CIE Lab	80.84, 34.32, -22.87
CIE LCh	81, 41.245, 326.316
Yxy	58.1843, 0.3166, 0.2628
Android (android.graphics.Color)	4294292468 (0xFFFF5B3F4)
YUV	206.1440, 18.6630, 34.0767
Hunter-Lab	76.2786, 30.5437, -18.9866

# Details

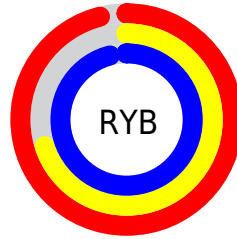
The Yxy color **58.1843, 0.3166, 0.2628** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.1653, 0.3085, 0.4055**, and the grayscale version is **61.6886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8967, 0.3136, 0.3097**, and **28.9894, 0.3166, 0.2470** is the 20% darker color. If you saturate the color by 10%, you get **49.2010, 0.3181, 0.2387**, and if you desaturate by 10%, it is **68.9169, 0.3151, 0.2876**.

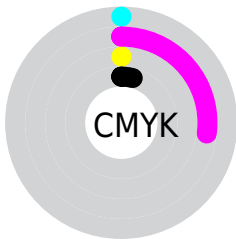
# Distribution



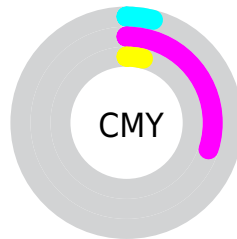
- Red (96%)
- Green (70%)
- Blue (96%)



- Red (96%)
- Yellow (70%)
- Blue (96%)



- Cyan (0%)
- Magenta (27%)
- Yellow (0%)
- Black (4%)




- Cyan (4%)
- Magenta (30%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1843, 0.3166, 0.2628 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 58.1843, 0.3166, 0.2628 by changing the saturation by 10% instead.





 58.1843, 0.3166,  
0.2628

 58.1843, 0.3166,  
0.2628


417.8723, 0.3155,  
0.2928

 41.9568, 0.3167,  
0.2561


 102.1912, 0.3163,  
0.2731

 29.0675, 0.3168,  
0.2479


130.7394, 0.3162,  
0.2771

 19.1319, 0.3167,  
0.2377


164.1633, 0.3160,  
0.2806

 11.7656, 0.3164,  
0.2246

202.8474, 0.3159,  
0.2837

 6.5843, 0.3156,  
0.2073

247.1759, 0.3158,  
0.2864

 3.2035, 0.3137,  
0.1835


297.5333, 0.3157,

 1.2389, 0.3090,


0.2888


0.1491


354.3040, 0.3156,  
0.2909


 0.0931, 0.3175,  
0.0318

 0.0000, 0.0000,  
0.0000


 58.1843, 0.3166,  
0.2628


 58.1843, 0.3166,  
0.2628


 49.2010, 0.3181,  
0.2387

 68.9169, 0.3151,  
0.2876

 41.8672, 0.3196,  
0.2163


 81.4768, 0.3137,  
0.3123

 36.0844, 0.3209,  
0.1965


 95.9462, 0.3123,  
0.3363

 31.7409, 0.3221,  
0.1803

 97.5456, 0.3120,  
0.3383

 28.7100, 0.3231,  
0.1682

 97.5676, 0.3118,  
0.3380

 26.8428, 0.3239,  
0.1605

 97.5897, 0.3116,  
0.3376

 25.9497, 0.3245,  
0.1569

 97.6118, 0.3114,  
0.3373

 25.7793, 0.3247,  
0.1562

 97.6340, 0.3112,  
0.3369

 97.6562, 0.3110,  
0.3366

# Harmonies

## Analogous

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



58.1843, 0.2659, 0.2460



58.1843, 0.3166, 0.2628



58.1843, 0.3705, 0.2940

# Triad

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



58.1843, 0.3166, 0.2628



58.1843, 0.3979, 0.4108



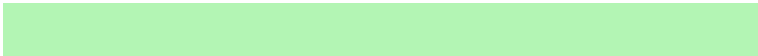
58.1843, 0.2244, 0.3118

# Complementary

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



58.1843, 0.3166, 0.2628



78.1653, 0.3085, 0.4055

# 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.



58.1843, 0.2546, 0.3658



58.1843, 0.3166, 0.2628



58.1843, 0.3544, 0.4265

# Square

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



58.1843, 0.3166, 0.2628



58.1843, 0.4191, 0.3757



58.1843, 0.3018, 0.4107



58.1843, 0.2163, 0.2695



# Rectangle

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



58.1843, 0.3166, 0.2628



58.1843, 0.3992, 0.3200



58.1843, 0.3018, 0.4107



58.1843, 0.2321, 0.3293

# Sweetspot

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



58.1869, 0.3166, 0.2628



87.6486, 0.3138, 0.3096



48.4258, 0.2658, 0.2514



18.2955, 0.3140, 0.3059



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.



58.1869, 0.3166, 0.2628



58.4439, 0.3174, 0.2503



56.4085, 0.3423, 0.2941



16.7639, 0.3140, 0.3060



13.8942, 0.3246, 0.1562



1.2225, 0.3241, 0.1559



# Inverse Universe

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



58.1869, 0.3166, 0.2628



58.4439, 0.3174, 0.2503



79.6236, 0.2908, 0.3668



16.7639, 0.3140, 0.3060



13.8942, 0.3246, 0.1562



1.2225, 0.3241, 0.1559



# Previews

## White Background



This preview shows how the Yxy color 58.1843, 0.3166, 0.2628 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

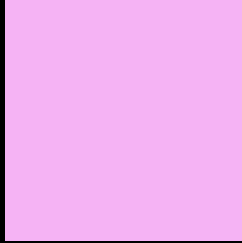
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.1843, 0.3166, 0.2628 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

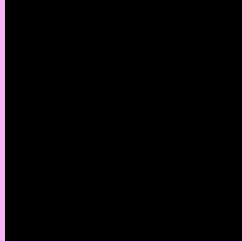
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.1843, 0.3166, 0.2628**

## Background



This preview shows how black text looks on a background with the Yxy color 58.1843, 0.3166, 0.2628.



This preview shows how white text looks on a background with the Yxy color 58.1843, 0.3166, 0.2628.

# 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

58.1843, 0.3166, 0.2628

### Protanopia

58.6316, 0.2675, 0.2660

### Deuteranopia

58.2482, 0.2853, 0.2783



## Tritanopia

58.1084, 0.3452, 0.3139

# Trichromacy



## Original Color

58.1843, 0.3166, 0.2628



## Protanomaly

58.0742, 0.2837, 0.2645



## Deuteranomaly

57.9894, 0.2961, 0.2724



## Tritanomaly

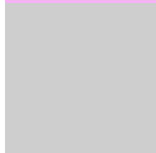
57.9915, 0.3342, 0.2939

# Monochromacy



## Original Color

58.1843, 0.3166, 0.2628



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

59.8628, 0.3140, 0.3023

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.1843, 0.3166, 0.2628 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(245, 179, 244)` looks like.

```
.text, #text, p{  
    color:rgb(245, 179, 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(245, 179, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 179, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 58.1843, 0.3166, 0.2628 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(245, 179, 244) }
```

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

```
.border{ border-color:rgb(245, 179, 244) }
```

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

Here you see how a box with a 4 pixel rgb(245, 179, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 179, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 179, 244);  
box-shadow:4px 4px 4px 4px rgb(245, 179,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.1843, 0.3166, 0.2628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 179, 244) }
```

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

```
.background{ background-color: rgb(245,  
179, 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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