

# Converting Colors

Yxy(80.0402, 0.3117, 0.3061)

Have a look what the booklet for  
Yxy(80.0402, 0.3117, 0.3061)  
contains.

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# Color

**Yxy(80.0402, 0.3117, 0.3061)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E1F8
RGB	245, 225, 248
RGB Percent	96%, 88%, 97%
CMY	0.0395, 0.1175, 0.0275
CMYK	0.01, 0.09, 0.00, 0.03
HSL	292°, 62%, 93%
HSV	292°, 9%, 97%
XYZ	81.5045, 80.0402, 99.9391
YIQ	233.6020, 4.5370, 11.3930

# Conversions

## Conversions Part 2

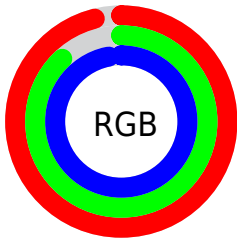
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 225, 248
Decimal	16114168
CIE Lab	91.70, 10.79, -8.67
CIE LCh	92, 13.843, 321.210
Yxy	80.0402, 0.3117, 0.3061
Android (android.graphics.Color)	4294304248 (0xFF5E1F8)
YUV	233.6020, 7.0982, 9.9960
Hunter-Lab	89.4652, 6.0529, -3.6056

# Details

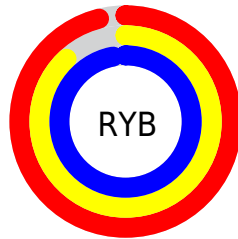
The Yxy color **80.0402, 0.3117, 0.3061** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.0627, 0.3135, 0.3527**, and the grayscale version is **81.9018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3740, 0.3114, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **67.0080, 0.3103, 0.2804**, and if you desaturate by 10%, it is **95.0368, 0.3128, 0.3308**.

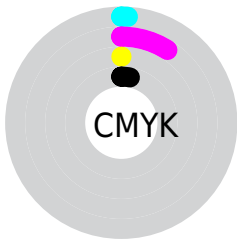
# Distribution



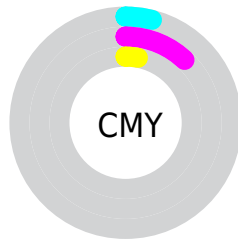
- Red (96%)
- Green (88%)
- Blue (97%)



- Red (96%)
- Yellow (88%)
- Blue (97%)



- Cyan (1%)
- Magenta (9%)
- Yellow (0%)
- Black (3%)




- Cyan (4%)
- Magenta (12%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0402, 0.3117, 0.3061 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 80.0402, 0.3117, 0.3061 by changing the saturation by 10% instead.




 80.0402, 0.3117,  
0.3061

 80.0402, 0.3117,  
0.3061

495.0683, 0.3122,  
0.3163

 59.7514, 0.3116,  
0.3038

133.4223, 0.3119,  
0.3096

 43.2183, 0.3114,  
0.3011


167.2843, 0.3120,  
0.3110

 30.0564, 0.3111,  
0.2977


206.4396, 0.3120,  
0.3122

 19.8814, 0.3108,  
0.2933

251.2725, 0.3121,  
0.3132

 12.3089, 0.3103,  
0.2875

302.1675, 0.3121,  
0.3141

 6.9544, 0.3096,  
0.2794

359.5088, 0.3122,

 3.4336, 0.3084,

0.3149

0.2675

423.6810, 0.3122,  
0.3157

■ 1.3621, 0.3059,  
0.2482

■ 0.1885, 0.3068,  
0.1307

■ 80.0402, 0.3117,  
0.3061

■ 80.0402, 0.3117,  
0.3061

■ 67.0080, 0.3103,  
0.2804

■ 95.0368, 0.3128,  
0.3308

■ 55.8464, 0.3085,  
0.2543

■ 98.8989, 0.3146,  
0.3358

■ 46.4690, 0.3063,  
0.2287

■ 99.5158, 0.3166,  
0.3357

■ 38.7790, 0.3037,  
0.2045

■ 99.5558, 0.3168,  
0.3357

■ 32.6699, 0.3008,  
0.1828

■ 28.0233, 0.2977,  
0.1646

■ 24.7040, 0.2943,  
0.1507

■ 22.5516, 0.2908,  
0.1412

■ 21.3205, 0.2873,  
0.1359

# Harmonies

## Analogous

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



80.0402, 0.2962, 0.3018



80.0402, 0.3117, 0.3061



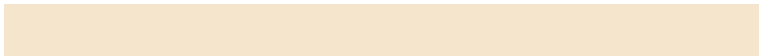
80.0402, 0.3278, 0.3161

# Triad

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



80.0402, 0.3117, 0.3061



80.0402, 0.3406, 0.3535



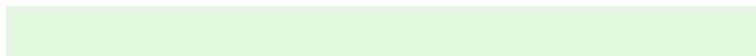
80.0402, 0.2861, 0.3276

# Complementary

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



80.0402, 0.3117, 0.3061



89.0627, 0.3135, 0.3527

# 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.



80.0402, 0.2975, 0.3424



80.0402, 0.3117, 0.3061



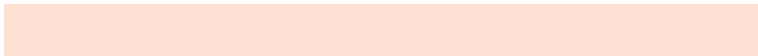
80.0402, 0.3289, 0.3575

# Square

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



80.0402, 0.3117, 0.3061



80.0402, 0.3447, 0.3431



80.0402, 0.3131, 0.3535



80.0402, 0.2817, 0.3137



# Rectangle

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



80.0402, 0.3117, 0.3061



80.0402, 0.3366, 0.3248



80.0402, 0.3131, 0.3535



80.0402, 0.2892, 0.3326

# Sweetspot

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



80.0436, 0.3117, 0.3061



95.0241, 0.3124, 0.3217



78.3243, 0.2983, 0.3084



20.0614, 0.3123, 0.3197



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.



80.0436, 0.3117, 0.3061



82.6930, 0.3115, 0.3016



80.0840, 0.3193, 0.3145



17.4012, 0.3117, 0.3055



11.5227, 0.2876, 0.1358

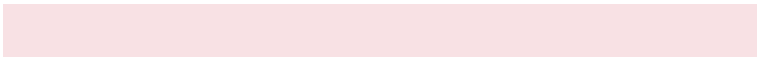


1.0985, 0.2919, 0.1381



# Inverse Universe

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



79.4240, 0.3269, 0.3260



81.9214, 0.3299, 0.3254



89.0406, 0.3067, 0.3440



17.2626, 0.3273, 0.3259



10.8506, 0.6231, 0.3206

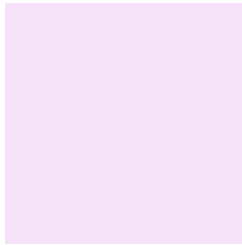


1.0162, 0.5964, 0.3059



# Previews

## White Background



This preview shows how the Yxy color 80.0402, 0.3117, 0.3061 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

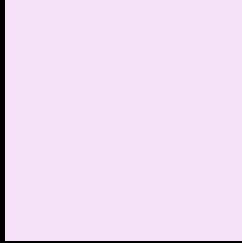
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.0402, 0.3117, 0.3061 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

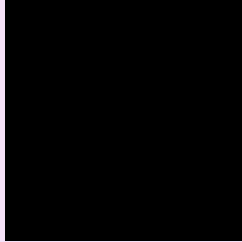
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

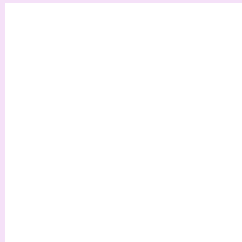
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.0402, 0.3117, 0.3061**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.0402, 0.3117, 0.3061.

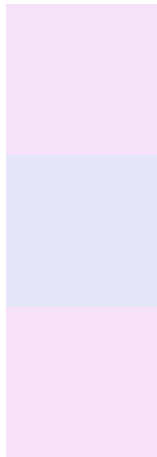


This preview shows how white text looks on a background with the Yxy color 80.0402, 0.3117, 0.3061.

# 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

80.0402, 0.3117, 0.3061

### Protanopia

80.3817, 0.2997, 0.3075

### Deuteranopia

80.2206, 0.3124, 0.3061



## Tritanopia

80.1575, 0.3136, 0.3109

# Trichromacy



## Original Color

80.0402, 0.3117, 0.3061

## Protanomaly

80.0511, 0.3036, 0.3067

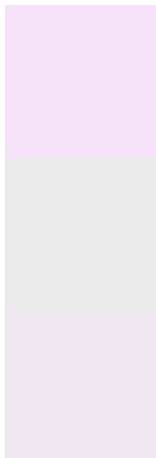
## Deuteranomaly

80.2206, 0.3124, 0.3061

## Tritanomaly

80.2184, 0.3129, 0.3100

# Monochromacy



## Original Color

80.0402, 0.3117, 0.3061

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

81.5610, 0.3124, 0.3209

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.0402, 0.3117, 0.3061 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, 225, 248)` looks like.

```
.text, #text, p{  
    color:rgb(245, 225, 248)  
}
```

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, 225, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 225, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 80.0402, 0.3117, 0.3061 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, 225, 248) }
```

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

```
.border{ border-color:rgb(245, 225, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 225, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 225, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 225, 248);  
box-shadow:4px 4px 4px 4px rgb(245, 225,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.0402, 0.3117, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 225, 248) }
```

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

```
.background{ background-color: rgb(245,  
225, 248) }
```

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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