

# Converting Colors

$Yxy(82.2230, 0.3051, 0.3063)$

Have a look what the booklet for  
Yxy(82.2230, 0.3051, 0.3063)  
contains.

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# Color

**Yxy(82.2107, 0.3051, 0.3060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0E6FD
RGB	240, 230, 253
RGB Percent	94%, 90%, 99%
CMY	0.0587, 0.0981, 0.0078
CMYK	0.05, 0.09, 0.00, 0.01
HSL	266°, 85%, 95%
HSV	266°, 9%, 99%
XYZ	81.9689, 82.2107, 104.4828
YIQ	235.6120, -1.4230, 9.2730

# Conversions

## Conversions Part 2

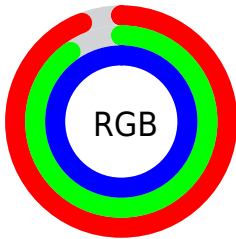
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 230, 253
Decimal	15787773
CIE Lab	92.67, 7.53, -9.91
CIE LCh	93, 12.447, 307.232
Yxy	82.2107, 0.3051, 0.3060
Android (android.graphics.Color)	4293977853 (0xFFFF0E6FD)
YUV	235.6120, 8.5723, 3.8483
Hunter-Lab	90.6701, 2.6974, -4.8532

# Details

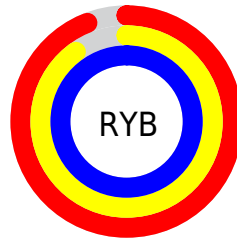
The Yxy color 82.2107, 0.3051, 0.3060 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95.0201, 0.3198, 0.3519, and the grayscale version is 83.5077, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 44.8358, 0.3036, 0.3021 is the 20% darker color. If you saturate the color by 10%, you get 66.7387, 0.2954, 0.2785, and if you desaturate by 10%, it is 99.7399, 0.3134, 0.3309.

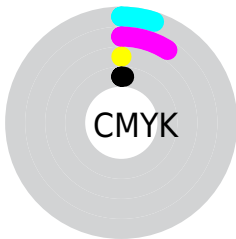
# Distribution



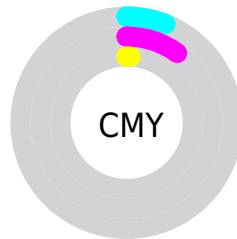
- Red (94%)
- Green (90%)
- Blue (99%)



- Red (94%)
- Yellow (90%)
- Blue (99%)



- Cyan (5%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)




- Cyan (6%)
- Magenta (10%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.2107, 0.3051, 0.3060 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 82.2107, 0.3051, 0.3060 by changing the saturation by 10% instead.



 82.2107, 0.3051,  
0.3060

 82.2107, 0.3051,  
0.3060


502.3522, 0.3086,  
0.3163

 61.5392, 0.3043,  
0.3037

136.4694, 0.3063,  
0.3095

 44.6605, 0.3033,  
0.3010

170.8255, 0.3068,  
0.3109

 31.1901, 0.3021,  
0.2976


210.5119, 0.3072,  
0.3121

 20.7436, 0.3005,  
0.2932

255.9129, 0.3075,  
0.3131

 12.9367, 0.2983,  
0.2874

307.4131, 0.3079,  
0.3140

 7.3850, 0.2952,  
0.2794

365.3968, 0.3081,

 3.7040, 0.2905,

0.3149

0.2677

430.2483, 0.3084,  
0.3156

■ 1.5094, 0.2824,  
0.2488

■ 0.2953, 0.2617,  
0.1664

■ 82.2107, 0.3051,  
0.3060

■ 82.2107, 0.3051,  
0.3060

■ 66.7387, 0.2954,  
0.2785

99.7399, 0.3134,  
0.3309

■ 53.4112, 0.2842,  
0.2491

99.8724, 0.3139,  
0.3309

■ 42.1331, 0.2717,  
0.2185

■ 32.7978, 0.2579,  
0.1877

■ 25.2888, 0.2433,  
0.1581

■ 19.4767, 0.2285,  
0.1314

■ 15.2142, 0.2141,  
0.1092

■ 12.3273, 0.2010,  
0.0927

■ 10.5587, 0.1896,  
0.0821

# Harmonies

## Analogous

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



82.2107, 0.2928, 0.3050



82.2107, 0.3051, 0.3060



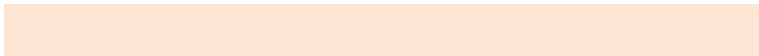
82.2107, 0.3197, 0.3128

# Triad

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



82.2107, 0.3051, 0.3060



82.2107, 0.3402, 0.3471



82.2107, 0.2930, 0.3340

# Complementary

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



82.2107, 0.3051, 0.3060



95.0201, 0.3198, 0.3519

# Split Complementary

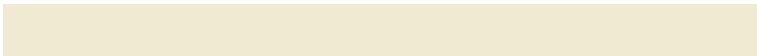
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2107, 0.3054, 0.3461



82.2107, 0.3051, 0.3060



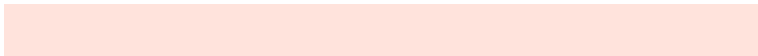
82.2107, 0.3327, 0.3536

# Square

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



82.2107, 0.3051, 0.3060



82.2107, 0.3402, 0.3362



82.2107, 0.3199, 0.3533



82.2107, 0.2860, 0.3208



# Rectangle

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



82.2107, 0.3051, 0.3060



82.2107, 0.3288, 0.3197



82.2107, 0.3199, 0.3533



82.2107, 0.2967, 0.3384

# Sweetspot

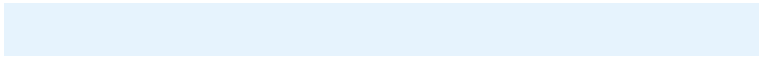
The Sweet Spot groups the original color and five complimentary colors.



82.2142, 0.3051, 0.3060



94.4065, 0.3103, 0.3216



88.0382, 0.2986, 0.3189



19.8945, 0.3097, 0.3196



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.



82.2142, 0.3051, 0.3060



80.5122, 0.3034, 0.3009



84.2817, 0.3127, 0.3066



17.7650, 0.3047, 0.3049



5.6280, 0.1902, 0.0822



0.6112, 0.2028, 0.0891



# Inverse Universe

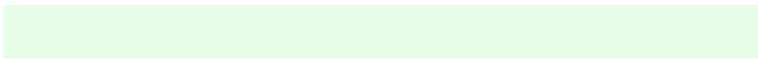
The Inverse Universe completely reimagines the original color for something new.



83.9459, 0.3202, 0.3163



82.6282, 0.3219, 0.3135



93.0466, 0.3126, 0.3524



18.1588, 0.3205, 0.3157



12.1892, 0.4693, 0.2359

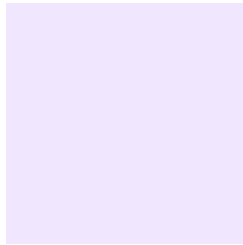


1.2088, 0.4477, 0.2240



# Previews

## White Background



This preview shows how the Yxy color 82.2107, 0.3051, 0.3060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

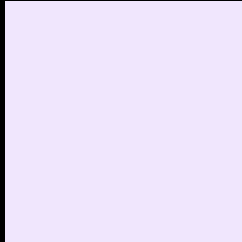
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.2107, 0.3051, 0.3060 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

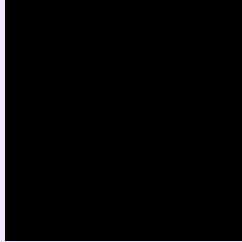
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

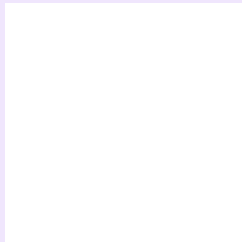
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.2107, 0.3051, 0.3060**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.2107, 0.3051, 0.3060.

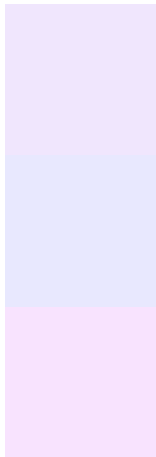


This preview shows how white text looks on a background with the Yxy color 82.2107, 0.3051, 0.3060.

# 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

82.2107, 0.3051, 0.3060

### Protanopia

82.0248, 0.2992, 0.3067

### Deuteranopia

82.0504, 0.3099, 0.3024



## Tritanopia

82.3421, 0.3069, 0.3109

# Trichromacy



## Original Color

82.2107, 0.3051, 0.3060

## Protanomaly

81.9698, 0.3012, 0.3058

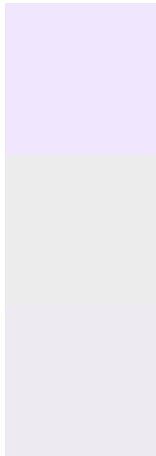
## Deuteranomaly

82.0550, 0.3078, 0.3033

## Tritanomaly

82.4047, 0.3062, 0.3099

# Monochromacy



## Original Color

82.2107, 0.3051, 0.3060

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.2610, 0.3098, 0.3209

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.2107, 0.3051, 0.3060 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(240, 230, 253)` looks like.

```
.text, #text, p{  
    color:rgb(240, 230, 253)  
}
```

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(240, 230, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 230, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 82.2107, 0.3051, 0.3060 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(240, 230, 253) }
```

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

```
.border{ border-color:rgb(240, 230, 253) }
```

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

Here you see how a box with a 4 pixel rgb(240, 230, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 230, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 230, 253);  
box-shadow:4px 4px 4px 4px rgb(240, 230,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.2107, 0.3051, 0.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 230, 253) }
```

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

```
.background{ background-color: rgb(240,  
230, 253) }
```

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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