

# Converting Colors

Yxy(82.9964, 0.3056, 0.3046)

Have a look what the booklet for  
Yxy(82.9964, 0.3056, 0.3046)  
contains.

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# Color

**Yxy(82.8683, 0.3058, 0.3042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3E6FF
RGB	243, 230, 255
RGB Percent	95%, 90%, 100%
CMY	0.0472, 0.0980, 0.0000
CMYK	0.05, 0.10, 0.00, 0.00
HSL	271°, 100%, 95%
HSV	271°, 10%, 100%
XYZ	83.3042, 82.8683, 106.2414
YIQ	236.7370, -0.2770, 10.5310

# Conversions

## Conversions Part 2

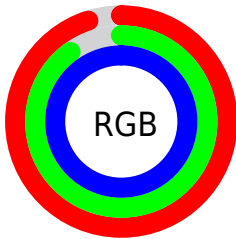
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 230, 255
Decimal	15984383
CIE Lab	92.96, 8.86, -10.51
CIE LCh	93, 13.746, 310.111
Yxy	82.8683, 0.3058, 0.3042
Android (android.graphics.Color)	4294174463 (0xFFFF3E6FF)
YUV	236.7370, 9.0037, 5.4927
Hunter-Lab	91.0320, 4.0408, -5.4736

# Details

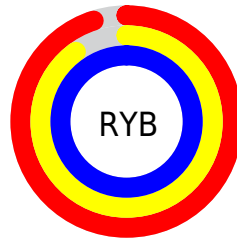
The Yxy color 82.8683, 0.3058, 0.3042 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.1195, 0.3191, 0.3538, and the grayscale version is 84.4022, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 45.3020, 0.3046, 0.2999 is the 20% darker color. If you saturate the color by 10%, you get 67.5865, 0.2976, 0.2770, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

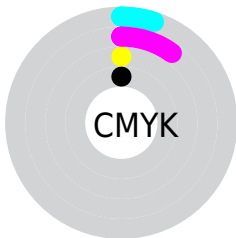
# Distribution



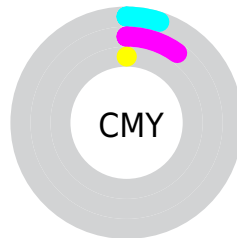
- Red (95%)
- Green (90%)
- Blue (100%)



- Red (95%)
- Yellow (90%)
- Blue (100%)



- Cyan (5%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8683, 0.3058, 0.3042 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 82.8683, 0.3058, 0.3042 by changing the saturation by 10% instead.




 82.8683, 0.3058,  
0.3042

 82.8683, 0.3058,  
0.3042


504.5475, 0.3090,  
0.3152

 62.0815, 0.3051,  
0.3018

137.3910, 0.3069,  
0.3079

 45.0986, 0.3042,  
0.2988


171.8957, 0.3073,  
0.3094

 31.5351, 0.3030,  
0.2952


211.7418, 0.3077,  
0.3107

 21.0066, 0.3016,  
0.2905

257.3137, 0.3080,  
0.3118

 13.1288, 0.2996,  
0.2844

308.9959, 0.3083,  
0.3128

 7.5173, 0.2967,  
0.2760

367.1726, 0.3086,

 3.7877, 0.2923,

0.3137

0.2636

432.2284, 0.3088,  
0.3145

■ 1.5555, 0.2848,  
0.2440

■ 0.3273, 0.2702,  
0.1677

■ 82.8683, 0.3058,  
0.3042

■ 82.8683, 0.3058,  
0.3042

■ 67.5865, 0.2976,  
0.2770

100.0000, 0.3127,  
0.3290

■ 54.4331, 0.2881,  
0.2481

■ 43.3101, 0.2773,  
0.2183

■ 34.1100, 0.2654,  
0.1887

■ 26.7154, 0.2528,  
0.1606

■ 20.9954, 0.2398,  
0.1356

■ 16.8005, 0.2270,  
0.1150

■ 13.9533, 0.2151,  
0.0999

■ 12.1718, 0.2043,  
0.0900

# Harmonies

## Analogous

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



82.8683, 0.2919, 0.3024



82.8683, 0.3058, 0.3042



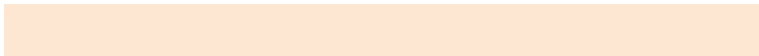
82.8683, 0.3219, 0.3122

# Triad

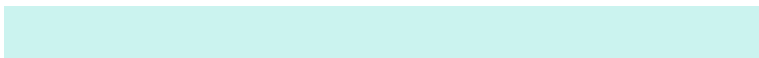
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8683, 0.3058, 0.3042



82.8683, 0.3426, 0.3499



82.8683, 0.2900, 0.3331

# Complementary

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



82.8683, 0.3058, 0.3042



96.1195, 0.3191, 0.3538

# Split Complementary

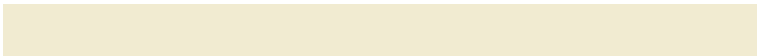
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8683, 0.3031, 0.3468



82.8683, 0.3058, 0.3042



82.8683, 0.3335, 0.3564

# Square

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



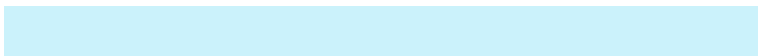
82.8683, 0.3058, 0.3042



82.8683, 0.3434, 0.3381



82.8683, 0.3190, 0.3554



82.8683, 0.2830, 0.3186



# Rectangle

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



82.8683, 0.3058, 0.3042



82.8683, 0.3317, 0.3200



82.8683, 0.3190, 0.3554



82.8683, 0.2939, 0.3380

# Sweetspot

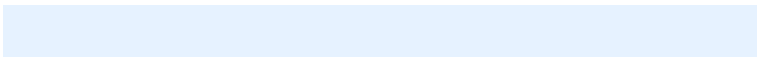
The Sweet Spot groups the original color and five complimentary colors.



82.8695, 0.3058, 0.3042



94.5237, 0.3107, 0.3216



87.6031, 0.2975, 0.3160



19.9261, 0.3102, 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.



82.8695, 0.3058, 0.3042



79.3178, 0.3041, 0.2984



85.0541, 0.3141, 0.3052



17.8409, 0.3060, 0.3050



6.4332, 0.2057, 0.0907



0.6914, 0.2178, 0.0973



# Inverse Universe

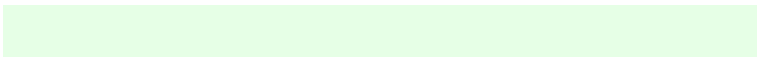
The Inverse Universe completely reimagines the original color for something new.



84.2746, 0.3221, 0.3172



81.0267, 0.3245, 0.3145



94.0825, 0.3113, 0.3540



18.1328, 0.3218, 0.3176



11.8834, 0.5042, 0.2551

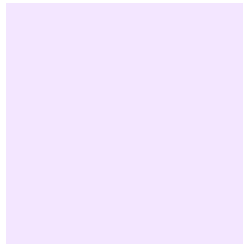


1.1790, 0.4778, 0.2406



# Previews

## White Background



This preview shows how the Yxy color 82.8683, 0.3058, 0.3042 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 82.8683, 0.3058, 0.3042 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

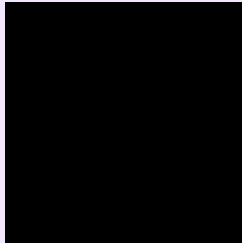
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

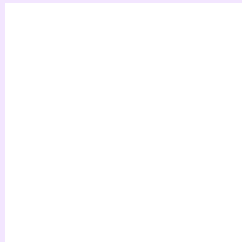
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.8683, 0.3058, 0.3042**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.8683, 0.3058, 0.3042.

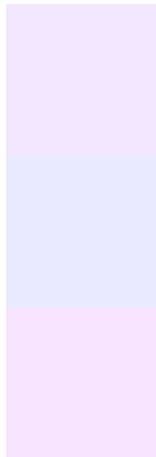


This preview shows how white text looks on a background with the Yxy color 82.8683, 0.3058, 0.3042.

# 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

82.8683, 0.3058, 0.3042

### Protanopia

82.8215, 0.2993, 0.3068

### Deuteranopia

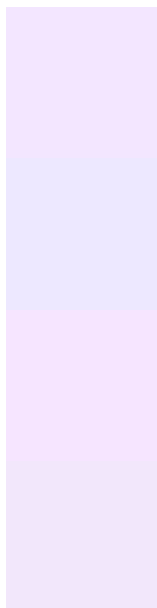
82.6633, 0.3092, 0.3025



## Tritanopia

82.8686, 0.3089, 0.3110

# Trichromacy



## Original Color

82.8683, 0.3058, 0.3042

## Protanomaly

82.9378, 0.3019, 0.3060

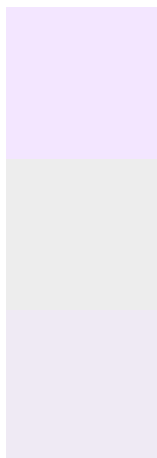
## Deuteranomaly

82.8515, 0.3079, 0.3034

## Tritanomaly

82.9941, 0.3076, 0.3091

# Monochromacy



## Original Color

82.8683, 0.3058, 0.3042

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

83.7280, 0.3099, 0.3189

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.8683, 0.3058, 0.3042 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(243, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 230, 255)  
}
```

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(243, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 230, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 82.8683, 0.3058, 0.3042 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(243, 230, 255) }
```

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

```
.border{ border-color:rgb(243, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 230,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.8683, 0.3058, 0.3042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 230, 255) }
```

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

```
.background{ background-color: rgb(243,  
230, 255) }
```

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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