

# Converting Colors

$Y_{xy}(82.1739, 0.3042, 0.3037)$

Have a look what the booklet for  
Yxy(82.1739, 0.3042, 0.3037)  
contains.

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# Color

**Yxy(82.3389, 0.3039, 0.3041)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0E6FF
RGB	240, 230, 255
RGB Percent	94%, 90%, 100%
CMY	0.0587, 0.0980, 0.0001
CMYK	0.06, 0.10, 0.00, 0.00
HSL	264°, 100%, 95%
HSV	264°, 10%, 100%
XYZ	82.2847, 82.3389, 106.1389
YIQ	235.8400, -2.0650, 9.8950

# Conversions

## Conversions Part 2

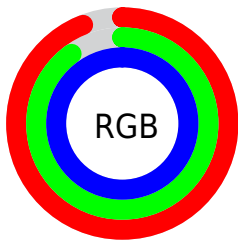
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 230, 255
Decimal	15787775
CIE Lab	92.72, 7.90, -10.85
CIE LCh	93, 13.420, 306.054
Yxy	82.3389, 0.3039, 0.3041
Android (android.graphics.Color)	4293977855 (0xFFFF0E6FF)
YUV	235.8400, 9.4459, 3.6483
Hunter-Lab	90.7408, 3.0694, -5.8326

# Details

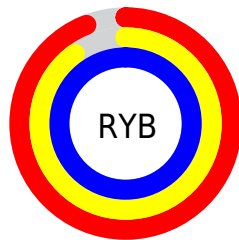
The Yxy color  $82.3389, 0.3039, 0.3041$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $96.6179, 0.3209, 0.3537$ , and the grayscale version is  $83.6834, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $44.9275, 0.3021, 0.2997$  is the 20% darker color. If you saturate the color by 10%, you get  $66.6142, 0.2934, 0.2763$ , and if you desaturate by 10%, it is  $99.9982, 0.3127, 0.3290$ .

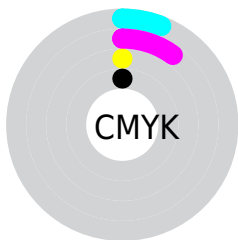
# Distribution



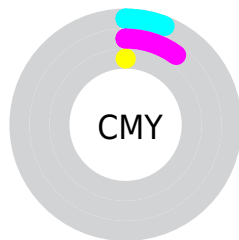
- Red (94%)
- Green (90%)
- Blue (100%)



- Red (94%)
- Yellow (90%)
- Blue (100%)



- Cyan (6%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (10%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3389, 0.3039, 0.3041 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 82.3389, 0.3039, 0.3041 by changing the saturation by 10% instead.



 82.3389, 0.3039,  
0.3041

 82.3389, 0.3039,  
0.3041

502.7806, 0.3080,  
0.3152

 61.6449, 0.3030,  
0.3017

136.6492, 0.3053,  
0.3079

 44.7458, 0.3019,  
0.2987


171.0342, 0.3058,  
0.3094

 31.2573, 0.3004,  
0.2950


210.7518, 0.3063,  
0.3107

 20.7948, 0.2986,  
0.2903

256.1862, 0.3067,  
0.3118

 12.9741, 0.2961,  
0.2841

307.7219, 0.3071,  
0.3128

 7.4107, 0.2926,  
0.2755

365.7433, 0.3074,

 3.7203, 0.2872,

0.3137

0.2630

430.6347, 0.3077,  
0.3145

■ 1.5183, 0.2779,  
0.2429

■ 0.3016, 0.2560,  
0.1610

■ 82.3389, 0.3039,  
0.3041

■ 82.3389, 0.3039,  
0.3041

■ 66.6142, 0.2934,  
0.2763

99.9982, 0.3127,  
0.3290

■ 53.0908, 0.2815,  
0.2466

■ 41.6704, 0.2680,  
0.2155

■ 32.2425, 0.2534,  
0.1842

■ 24.6867, 0.2379,  
0.1542

■ 18.8687, 0.2224,  
0.1272

■ 14.6358, 0.2076,  
0.1049

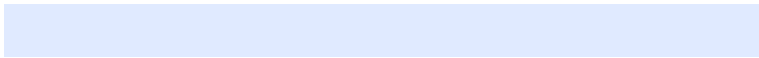
■ 11.8066, 0.1943,  
0.0886

■ 10.0954, 0.1830,  
0.0783

# Harmonies

## Analogous

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



82.3389, 0.2909, 0.3033



82.3389, 0.3039, 0.3041



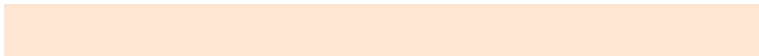
82.3389, 0.3196, 0.3112

# Triad

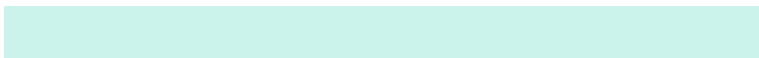
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3389, 0.3039, 0.3041



82.3389, 0.3425, 0.3481



82.3389, 0.2920, 0.3350

# Complementary

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



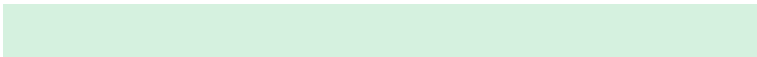
82.3389, 0.3039, 0.3041



96.6179, 0.3209, 0.3537

# 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.



82.3389, 0.3054, 0.3479



82.3389, 0.3039, 0.3041



82.3389, 0.3347, 0.3553

# Square

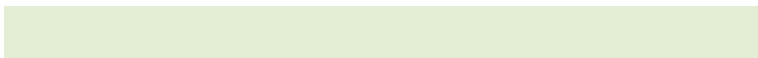
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3389, 0.3039, 0.3041



82.3389, 0.3422, 0.3361



82.3389, 0.3210, 0.3554



82.3389, 0.2841, 0.3207



# Rectangle

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



82.3389, 0.3039, 0.3041



82.3389, 0.3295, 0.3185



82.3389, 0.3210, 0.3554



82.3389, 0.2959, 0.3397

# Sweetspot

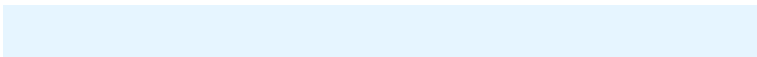
The Sweet Spot groups the original color and five complimentary colors.



82.3424, 0.3039, 0.3041



94.3578, 0.3102, 0.3216



89.3361, 0.2975, 0.3189



19.8814, 0.3095, 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.



82.3424, 0.3039, 0.3041



78.6973, 0.3017, 0.2982



84.5965, 0.3122, 0.3047



17.7337, 0.3042, 0.3049



5.3419, 0.1845, 0.0790



0.5817, 0.1970, 0.0859



# Inverse Universe

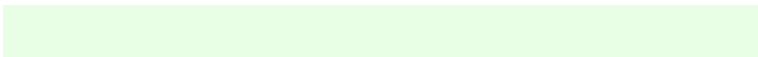
The Inverse Universe completely reimagines the original color for something new.



84.4379, 0.3202, 0.3144



81.2403, 0.3221, 0.3110



94.4546, 0.3131, 0.3543



18.1696, 0.3200, 0.3149



12.3341, 0.4551, 0.2281

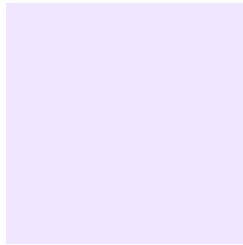


1.2225, 0.4355, 0.2173



# Previews

## White Background



This preview shows how the Yxy color 82.3389, 0.3039, 0.3041 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

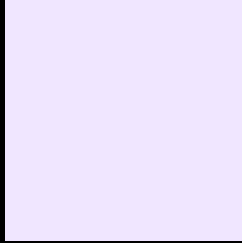
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.3389, 0.3039, 0.3041 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

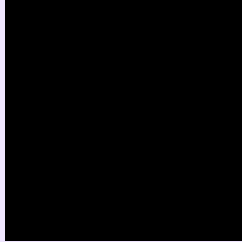
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.3389, 0.3039, 0.3041**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.3389, 0.3039, 0.3041.

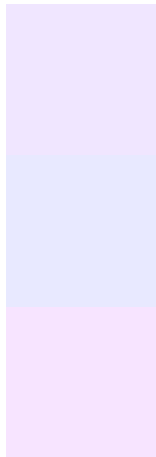


This preview shows how white text looks on a background with the Yxy color 82.3389, 0.3039, 0.3041.

# 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

82.3389, 0.3039, 0.3041

### Protanopia

82.6536, 0.2986, 0.3068

### Deuteranopia

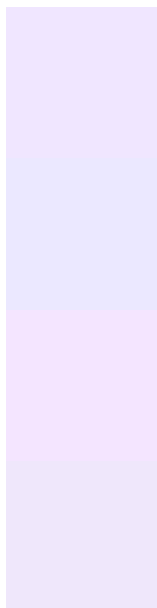
82.4810, 0.3086, 0.3024



## Tritanopia

82.3421, 0.3069, 0.3109

# Trichromacy



## Original Color

82.3389, 0.3039, 0.3041

## Protanomaly

82.5954, 0.3006, 0.3059

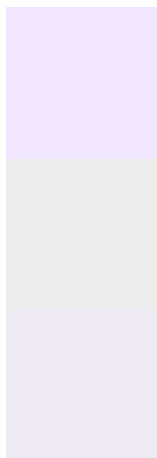
## Deuteranomaly

82.4917, 0.3065, 0.3033

## Tritanomaly

82.4676, 0.3056, 0.3089

# Monochromacy



## Original Color

82.3389, 0.3039, 0.3041

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.3212, 0.3091, 0.3199

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.3389, 0.3039, 0.3041 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 230, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 82.3389, 0.3039, 0.3041 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, 255) }
```

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

```
.border{ border-color:rgb(240, 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(240, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 230,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.3389, 0.3039, 0.3041 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, 255) }
```

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

```
.background{ background-color: rgb(240,  
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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