

# Converting Colors

$Y_{xy}(81.8340, 0.3085, 0.3041)$

Have a look what the booklet for  
Yxy(81.8340, 0.3085, 0.3041)  
contains.

<b>Yxy(81.9911, 0.3085, 0.3042)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(81.9911, 0.3085, 0.3042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E4FD
RGB	245, 228, 253
RGB Percent	96%, 89%, 99%
CMY	0.0389, 0.1060, 0.0078
CMYK	0.03, 0.10, 0.00, 0.01
HSL	281°, 86%, 94%
HSV	281°, 10%, 99%
XYZ	83.1501, 81.9911, 104.3891
YIQ	235.9330, 2.1070, 11.3790

# Conversions

## Conversions Part 2

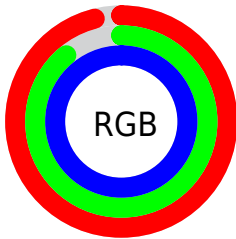
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 228, 253
Decimal	16114941
CIE <sub>Lab</sub>	92.57, 10.22, -10.02
CIE <sub>LCh</sub>	93, 14.314, 315.581
Yxy	81.9911, 0.3085, 0.3042
Android (android.graphics.Color)	4294305021 (0xFFFF5E4FD)
YUV	235.9330, 8.4140, 7.9518
Hunter-Lab	90.5489, 5.4539, -4.9680

# Details

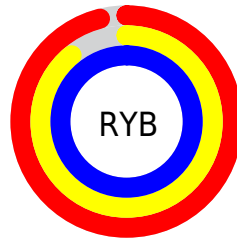
The Yxy color **81.9911, 0.3085, 0.3042** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **93.6857, 0.3165, 0.3543**, and the grayscale version is **83.7691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6915, 0.3080, 0.2999** is the 20% darker color. If you saturate the color by 10%, you get **67.6646, 0.3034, 0.2776**, and if you desaturate by 10%, it is **98.4245, 0.3128, 0.3293**.

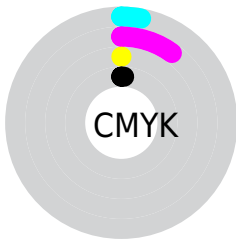
# Distribution



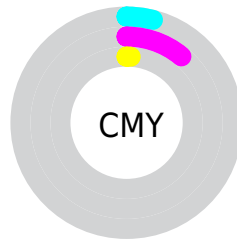
- Red (96%)
- Green (89%)
- Blue (99%)



- Red (96%)
- Yellow (89%)
- Blue (99%)



- Cyan (3%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)




- Cyan (4%)
- Magenta (11%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.9911, 0.3085, 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 81.9911, 0.3085, 0.3042 by changing the saturation by 10% instead.




 81.9911, 0.3085,  
0.3042

 81.9911, 0.3085,  
0.3042

501.6179, 0.3105,  
0.3152

 61.3582, 0.3080,  
0.3018

136.1615, 0.3092,  
0.3079

 44.5143, 0.3075,  
0.2988


170.4678, 0.3095,  
0.3094

 31.0750, 0.3067,  
0.2952


210.1007, 0.3097,  
0.3107

 20.6560, 0.3058,  
0.2905

255.4446, 0.3099,  
0.3118

 12.8728, 0.3044,  
0.2844

306.8839, 0.3101,  
0.3128

 7.3410, 0.3025,  
0.2759

364.8029, 0.3102,

 3.6763, 0.2995,

0.3137

0.2635

429.5861, 0.3104,  
0.3145

1.4942, 0.2941,  
0.2436

0.2846, 0.2864,  
0.1567

81.9911, 0.3085,  
0.3042

81.9911, 0.3085,  
0.3042

67.6646, 0.3034,  
0.2776

98.4245, 0.3128,  
0.3293

55.3454, 0.2975,  
0.2500

99.8733, 0.3139,  
0.3309

44.9419, 0.2907,  
0.2222

36.3506, 0.2830,  
0.1952

■ 29.4584, 0.2748,  
0.1701

■ 24.1390, 0.2661,  
0.1483

■ 20.2482, 0.2574,  
0.1308

■ 17.6140, 0.2488,  
0.1181

■ 15.9582, 0.2407,  
0.1100

# Harmonies

## Analogous

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



81.9911, 0.2933, 0.3011



81.9911, 0.3085, 0.3042



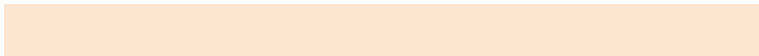
81.9911, 0.3253, 0.3135

# Triad

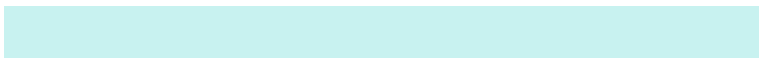
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.9911, 0.3085, 0.3042



81.9911, 0.3428, 0.3525



81.9911, 0.2871, 0.3304

# Complementary

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



81.9911, 0.3085, 0.3042



93.6857, 0.3165, 0.3543

# 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.



81.9911, 0.2999, 0.3453



81.9911, 0.3085, 0.3042



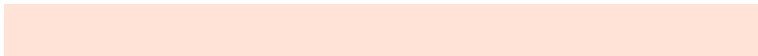
81.9911, 0.3320, 0.3581

# Square

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



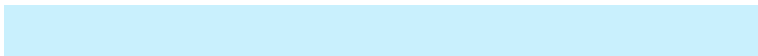
81.9911, 0.3085, 0.3042



81.9911, 0.3453, 0.3410



81.9911, 0.3163, 0.3555



81.9911, 0.2812, 0.3157



# Rectangle

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



81.9911, 0.3085, 0.3042



81.9911, 0.3350, 0.3221



81.9911, 0.3163, 0.3555



81.9911, 0.2907, 0.3356

# Sweetspot

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



81.9946, 0.3085, 0.3042



94.7581, 0.3115, 0.3217



83.7636, 0.2973, 0.3120



19.9895, 0.3112, 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.



81.9946, 0.3085, 0.3042



80.2105, 0.3075, 0.2987



83.1928, 0.3165, 0.3086



17.9943, 0.3087, 0.3052



8.5610, 0.2419, 0.1106



0.8921, 0.2511, 0.1157



# Inverse Universe

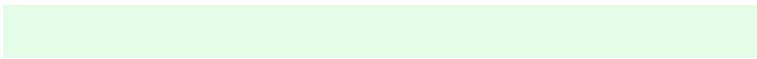
The Inverse Universe completely reimagines the original color for something new.



82.4147, 0.3249, 0.3212



80.7337, 0.3279, 0.3194



92.5901, 0.3091, 0.3503



18.0821, 0.3244, 0.3215



11.4427, 0.5706, 0.2917

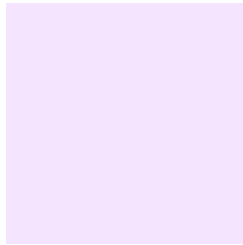


1.1330, 0.5386, 0.2741



# Previews

## White Background



This preview shows how the Yxy color 81.9911, 0.3085, 0.3042 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

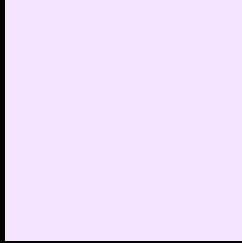
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.9911, 0.3085, 0.3042 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

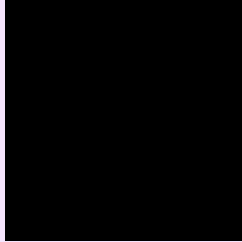
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

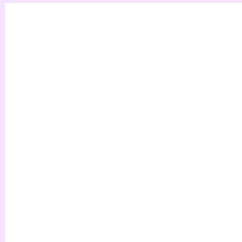
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.9911, 0.3085, 0.3042**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.9911, 0.3085, 0.3042.

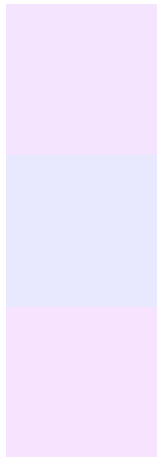


This preview shows how white text looks on a background with the Yxy color 81.9911, 0.3085, 0.3042.

# 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

81.9911, 0.3085, 0.3042

### Protanopia

82.0890, 0.2986, 0.3057

### Deuteranopia

81.8042, 0.3098, 0.3033



## Tritanopia

81.9871, 0.3115, 0.3110

# Trichromacy



## Original Color

81.9911, 0.3085, 0.3042

## Protanomaly

82.3121, 0.3025, 0.3059

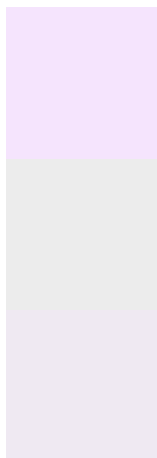
## Deuteranomaly

81.6228, 0.3092, 0.3033

## Tritanomaly

82.1113, 0.3103, 0.3091

# Monochromacy



## Original Color

81.9911, 0.3085, 0.3042

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.0394, 0.3111, 0.3199

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.9911, 0.3085, 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(245, 228, 253)` looks like.

```
.text, #text, p{  
    color:rgb(245, 228, 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(245, 228, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 228, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 81.9911, 0.3085, 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(245, 228, 253) }
```

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

```
.border{ border-color:rgb(245, 228, 253) }
```

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

Here you see how a box with a 4 pixel rgb(245, 228, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 228, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 228, 253);  
box-shadow:4px 4px 4px 4px rgb(245, 228,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.9911, 0.3085, 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(245, 228, 253) }
```

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

```
.background{ background-color: rgb(245,  
228, 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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