

# Converting Colors

$Yxy(81.3406, 0.3118, 0.3130)$

Have a look what the booklet for  
Yxy(81.3406, 0.3118, 0.3130)  
contains.

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# Color

**Yxy(81.5084, 0.3114, 0.3129)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E5F5
RGB	242, 229, 245
RGB Percent	95%, 90%, 96%
CMY	0.0510, 0.1019, 0.0391
CMYK	0.01, 0.07, 0.00, 0.04
HSL	289°, 45%, 93%
HSV	289°, 7%, 96%
XYZ	81.1177, 81.5084, 97.8674
YIQ	234.7110, 2.6120, 7.7320

# Conversions

## Conversions Part 2

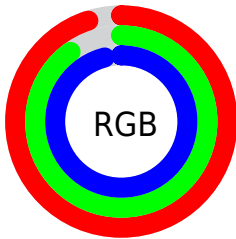
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 229, 245
Decimal	15918581
CIE Lab	92.36, 7.22, -6.19
CIE LCh	92, 9.508, 319.371
Yxy	81.5084, 0.3114, 0.3129
Android (android.graphics.Color)	4294108661 (0xFF2E5F5)
YUV	234.7110, 5.0725, 6.3925
Hunter-Lab	90.2820, 2.3873, -1.0741

# Details

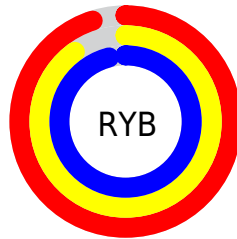
The Yxy color **81.5084, 0.3114, 0.3129** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.1466, 0.3139, 0.3454**, and the grayscale version is **82.8076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3853, 0.3110, 0.3097** is the 20% darker color. If you saturate the color by 10%, you get **68.0807, 0.3090, 0.2873**, and if you desaturate by 10%, it is **96.8778, 0.3133, 0.3373**.

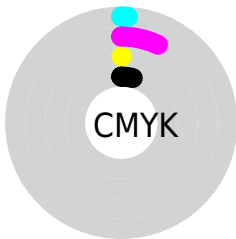
# Distribution



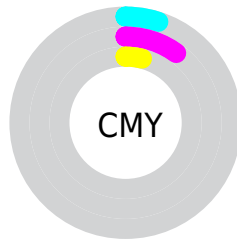
- Red (95%)
- Green (90%)
- Blue (96%)



- Red (95%)
- Yellow (90%)
- Blue (96%)



- Cyan (1%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)




- Cyan (5%)
- Magenta (10%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.5084, 0.3114, 0.3129 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 81.5084, 0.3114, 0.3129 by changing the saturation by 10% instead.




 81.5084, 0.3114,  
0.3129

 81.5084, 0.3114,  
0.3129

500.0018, 0.3120,  
0.3201

 60.9604, 0.3112,  
0.3113

135.4844, 0.3116,  
0.3154

 44.1932, 0.3111,  
0.3094


169.6812, 0.3117,  
0.3163

 30.8224, 0.3108,  
0.3069


209.1964, 0.3118,  
0.3172

 20.4637, 0.3105,  
0.3038

254.4143, 0.3119,  
0.3179

 12.7325, 0.3100,  
0.2997

305.7194, 0.3119,  
0.3186

 7.2446, 0.3094,  
0.2939

363.4961, 0.3120,

 3.6156, 0.3083,

0.3191

0.2853

428.1288, 0.3120,  
0.3197

■ 1.4609, 0.3063,  
0.2713

■ 0.2610, 0.3025,  
0.1861

■ 81.5084, 0.3114,  
0.3129

■ 81.5084, 0.3114,  
0.3129

■ 68.0807, 0.3090,  
0.2873

■ 96.8778, 0.3133,  
0.3373

■ 56.5045, 0.3061,  
0.2608

■ 98.6805, 0.3162,  
0.3386

■ 46.6976, 0.3026,  
0.2344

■ 99.3745, 0.3185,  
0.3386

■ 38.5679, 0.2986,  
0.2089

■ 32.0146, 0.2941,  
0.1853

■ 26.9262, 0.2893,  
0.1649

■ 23.1764, 0.2842,  
0.1485

■ 20.6172, 0.2791,  
0.1366

■ 19.0627, 0.2741,  
0.1293

# Harmonies

## Analogous

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



81.5084, 0.3009, 0.3103



81.5084, 0.3114, 0.3129



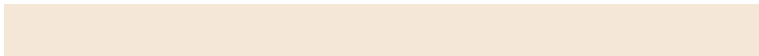
81.5084, 0.3224, 0.3196

# Triad

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



81.5084, 0.3114, 0.3129



81.5084, 0.3321, 0.3455



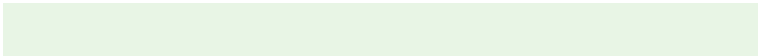
81.5084, 0.2948, 0.3288

# Complementary

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



81.5084, 0.3114, 0.3129



88.1466, 0.3139, 0.3454

# 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.



81.5084, 0.3029, 0.3386



81.5084, 0.3114, 0.3129



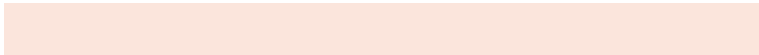
81.5084, 0.3244, 0.3483

# Square

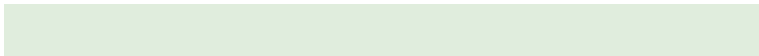
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5084, 0.3114, 0.3129



81.5084, 0.3345, 0.3383



81.5084, 0.3137, 0.3459



81.5084, 0.2915, 0.3192

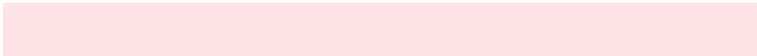


# Rectangle

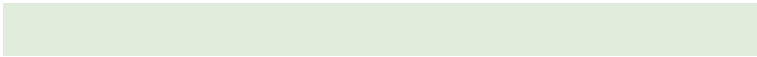
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5084, 0.3114, 0.3129



81.5084, 0.3285, 0.3256



81.5084, 0.3137, 0.3459



81.5084, 0.2971, 0.3322

# Sweetspot

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



81.5119, 0.3114, 0.3129



96.6055, 0.3123, 0.3241



81.0869, 0.3027, 0.3158



20.7131, 0.3124, 0.3244



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.



81.5119, 0.3114, 0.3129



86.9393, 0.3111, 0.3092



81.7658, 0.3165, 0.3178



16.5997, 0.3107, 0.3055



10.1061, 0.2732, 0.1278



0.9283, 0.2795, 0.1313



# Inverse Universe

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



81.2906, 0.3218, 0.3259



86.6492, 0.3241, 0.3252



87.9130, 0.3091, 0.3405



16.5340, 0.3264, 0.3245



10.5817, 0.6101, 0.3135

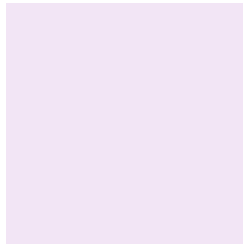


0.9437, 0.5774, 0.2954



# Previews

## White Background



This preview shows how the Yxy color 81.5084, 0.3114, 0.3129 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

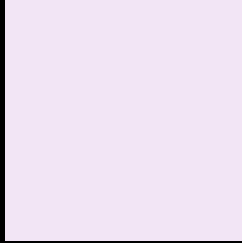
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.5084, 0.3114, 0.3129 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

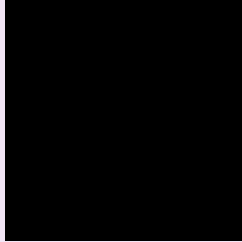
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

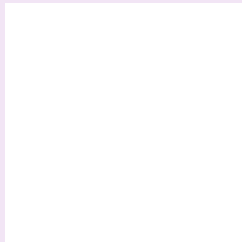
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.5084, 0.3114, 0.3129**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.5084, 0.3114, 0.3129.



This preview shows how white text looks on a background with the Yxy color 81.5084, 0.3114, 0.3129.

# 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

81.5084, 0.3114, 0.3129

### Protanopia

81.7523, 0.3041, 0.3137

### Deuteranopia

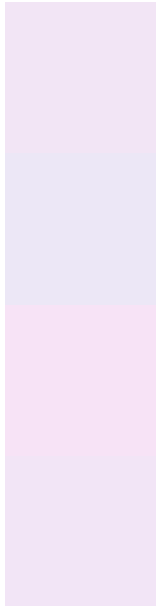
81.3705, 0.3164, 0.3092



## Tritanopia

81.6313, 0.3102, 0.3110

# Trichromacy



## Original Color

81.5084, 0.3114, 0.3129

## Protanomaly

81.6385, 0.3067, 0.3138

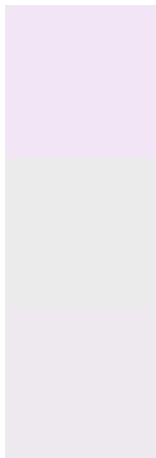
## Deuteranomaly

81.3661, 0.3143, 0.3101

## Tritanomaly

81.5697, 0.3108, 0.3119

# Monochromacy



## Original Color

81.5084, 0.3114, 0.3129

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

82.6870, 0.3123, 0.3229

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.5084, 0.3114, 0.3129 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(242, 229, 245)` looks like.

```
.text, #text, p{  
    color:rgb(242, 229, 245)  
}
```

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(242, 229, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 229, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 81.5084, 0.3114, 0.3129 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(242, 229, 245) }
```

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

```
.border{ border-color:rgb(242, 229, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 229, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 229, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 229, 245);  
box-shadow:4px 4px 4px 4px rgb(242, 229,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.5084, 0.3114, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 229, 245) }
```

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

```
.background{ background-color: rgb(242,  
229, 245) }
```

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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