

# Converting Colors

Yxy(82.9697, 0.3025, 0.3161)

Have a look what the booklet for  
Yxy(82.9697, 0.3025, 0.3161)  
contains.

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# Color

**Yxy(83.1210, 0.3028, 0.3167)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7EBF7
RGB	231, 235, 247
RGB Percent	91%, 92%, 97%
CMY	0.0938, 0.0785, 0.0313
CMYK	0.06, 0.05, 0.00, 0.03
HSL	225°, 50%, 94%
HSV	225°, 6%, 97%
XYZ	79.4728, 83.1210, 99.8659
YIQ	235.1720, -6.2360, 2.8840

# Conversions

## Conversions Part 2

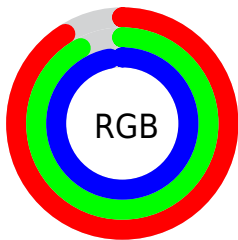
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 234, 247
Decimal	15199223
CIE Lab	93.07, 0.93, -6.27
CIE LCh	93, 6.340, 278.417
Yxy	83.1210, 0.3028, 0.3167
Android (android.graphics.Color)	4293389303 (0xFFE7EBF7)
YUV	235.1720, 5.8312, -3.6588
Hunter-Lab	91.1707, -3.9517, -1.1252

# Details

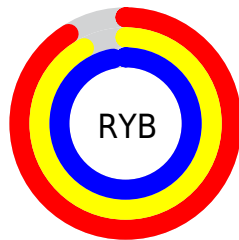
The Yxy color  $83.1210, 0.3028, 0.3167$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $89.7244, 0.3226, 0.3410$ , and the grayscale version is  $83.1850, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $45.1157, 0.2999, 0.3132$  is the 20% darker color. If you saturate the color by 10%, you get  $69.1705, 0.2863, 0.2956$ , and if you desaturate by 10%, it is  $98.6305, 0.3174, 0.3353$ .

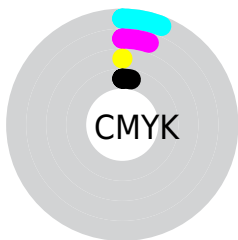
# Distribution



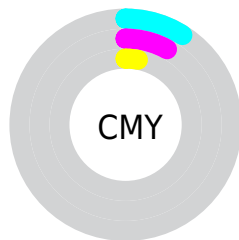
- Red (91%)
- Green (92%)
- Blue (97%)



- Red (91%)
- Yellow (92%)
- Blue (97%)



- Cyan (6%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)



- Cyan (9%)
- Magenta (8%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1210, 0.3028, 0.3167 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 83.1210, 0.3028, 0.3167 by changing the saturation by 10% instead.



83.1210, 0.3028,  
0.3167

83.1210, 0.3028,  
0.3167

505.3897, 0.3073,  
0.3223

62.2900, 0.3018,  
0.3155

137.7449, 0.3043,  
0.3186

45.2670, 0.3006,  
0.3140

172.3066, 0.3049,  
0.3193

31.6678, 0.2990,  
0.3121

212.2140, 0.3055,  
0.3200

21.1079, 0.2971,  
0.3096

257.8514, 0.3059,  
0.3206

13.2029, 0.2944,  
0.3064

309.6033, 0.3063,  
0.3211

7.5684, 0.2907,  
0.3019

367.8540, 0.3067,

3.8201, 0.2852,

0.3215

0.2951

432.9880, 0.3070,  
0.3219

■ 1.5734, 0.2759,  
0.2839

■ 0.3396, 0.2313,  
0.2274

■ 83.1210, 0.3028,  
0.3167

■ 83.1210, 0.3028,  
0.3167

■ 69.1705, 0.2863,  
0.2956

■ 98.6305, 0.3174,  
0.3353

■ 56.8584, 0.2685,  
0.2720

■ 99.4966, 0.3173,  
0.3366

■ 46.1263, 0.2498,  
0.2462

■ 36.9083, 0.2307,  
0.2184

■ 29.1336, 0.2119,  
0.1897

■ 22.7253, 0.1944,  
0.1610

■ 17.5989, 0.1792,  
0.1340

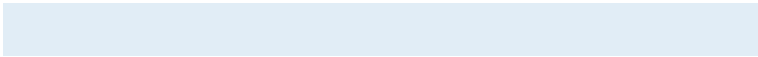
■ 13.6595, 0.1673,  
0.1102

■ 10.7956, 0.1592,  
0.0909

# Harmonies

## Analogous

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



83.1210, 0.2991, 0.3194



83.1210, 0.3028, 0.3167



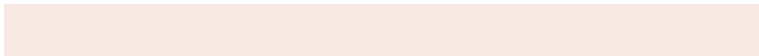
83.1210, 0.3092, 0.3173

# Triad

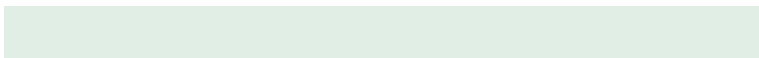
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1210, 0.3028, 0.3167



83.1210, 0.3267, 0.3330



83.1210, 0.3088, 0.3374

# Complementary

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



83.1210, 0.3028, 0.3167



89.7244, 0.3226, 0.3410

# 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.



83.1210, 0.3161, 0.3411



83.1210, 0.3028, 0.3167



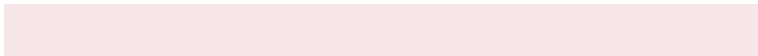
83.1210, 0.3265, 0.3385

# Square

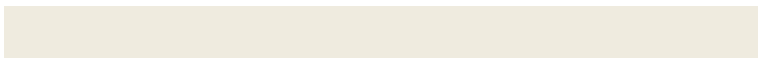
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1210, 0.3028, 0.3167



83.1210, 0.3230, 0.3266



83.1210, 0.3227, 0.3415



83.1210, 0.3025, 0.3313



# Rectangle

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



83.1210, 0.3028, 0.3167



83.1210, 0.3141, 0.3194



83.1210, 0.3227, 0.3415



83.1210, 0.3112, 0.3390

# Sweetspot

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



83.1245, 0.3028, 0.3167



96.6124, 0.3097, 0.3253



90.0092, 0.3050, 0.3330



20.7146, 0.3099, 0.3255



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.



83.1245, 0.3028, 0.3167



86.8945, 0.3003, 0.3136



81.5864, 0.3055, 0.3128



16.5853, 0.2979, 0.3106



5.4709, 0.1577, 0.0877



0.6358, 0.1641, 0.1107



# Inverse Universe

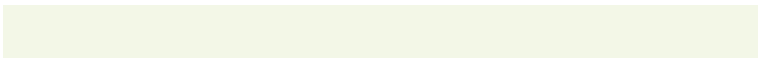
The Inverse Universe completely reimagines the original color for something new.



82.9714, 0.3211, 0.3251



86.7149, 0.3234, 0.3241



91.3688, 0.3197, 0.3449



16.5490, 0.3255, 0.3232



10.6517, 0.5948, 0.3050

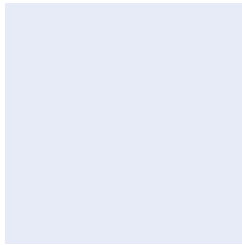


0.9518, 0.5599, 0.2858



# Previews

## White Background



This preview shows how the Yxy color 83.1210, 0.3028, 0.3167 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

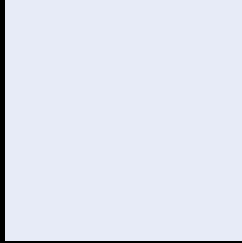
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.1210, 0.3028, 0.3167 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

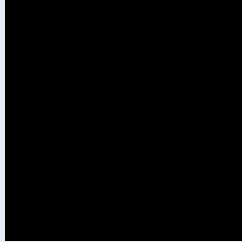
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

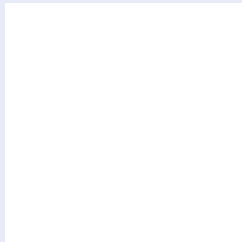
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.1210, 0.3028, 0.3167**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.1210, 0.3028, 0.3167.

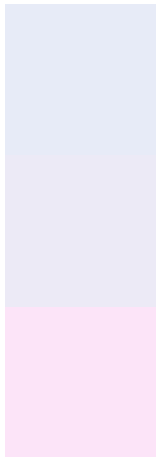


This preview shows how white text looks on a background with the Yxy color 83.1210, 0.3028, 0.3167.

# 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

83.1210, 0.3028, 0.3167

### Protanopia

83.3323, 0.3066, 0.3168

### Deuteranopia

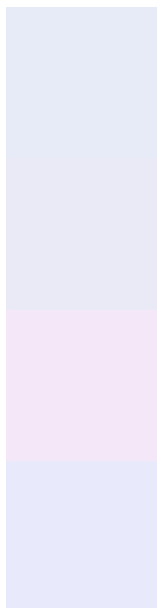
82.9596, 0.3164, 0.3094



## Tritanopia

83.0933, 0.2998, 0.3098

# Trichromacy



## Original Color

83.1210, 0.3028, 0.3167

## Protanomaly

82.9919, 0.3053, 0.3168

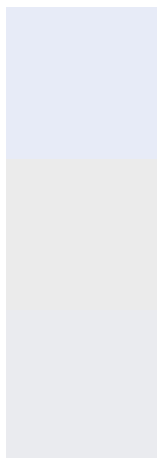
## Deuteranomaly

83.1622, 0.3108, 0.3121

## Tritanomaly

82.9665, 0.3010, 0.3117

# Monochromacy



## Original Color

83.1210, 0.3028, 0.3167

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

83.1411, 0.3096, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.1210, 0.3028, 0.3167 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(231, 235, 247)` looks like.

```
.text, #text, p{  
    color:rgb(231, 235, 247)  
}
```

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(231, 235, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 235, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 83.1210, 0.3028, 0.3167 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(231, 235, 247) }
```

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

```
.border{ border-color:rgb(231, 235, 247) }
```

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

Here you see how a box with a 4 pixel rgb(231, 235, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 235, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 235, 247);  
box-shadow:4px 4px 4px 4px rgb(231, 235,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.1210, 0.3028, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 235, 247) }
```

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

```
.background{ background-color: rgb(231,  
235, 247) }
```

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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