

# Converting Colors

Yxy(83.9448, 0.2922, 0.3199)

Have a look what the booklet for  
Yxy(83.9448, 0.2922, 0.3199)  
contains.

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# Color

**Yxy(83.7587, 0.2922, 0.3196)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8F0F9
RGB	216, 240, 249
RGB Percent	85%, 94%, 98%
CMY	0.1529, 0.0588, 0.0236
CMYK	0.13, 0.04, 0.00, 0.02
HSL	196°, 73%, 91%
HSV	196°, 13%, 98%
XYZ	76.5779, 83.7587, 101.7369
YIQ	233.8500, -17.1930, -2.2890

# Conversions

## Conversions Part 2

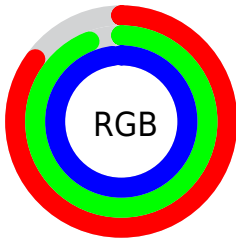
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 230, 249
Decimal	14217465
CIE Lab	93.35, -6.06, -7.00
CIE LCh	93, 9.259, 229.103
Yxy	83.7587, 0.2922, 0.3196
Android (android.graphics.Color)	4292407545 (0xFFD8F0F9)
YUV	233.8500, 7.4690, -15.6544
Hunter-Lab	91.5198, -10.8023, -1.8452

# Details

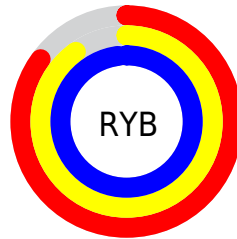
The Yxy color **83.7587, 0.2922, 0.3196** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.9403, 0.3358, 0.3382**, and the grayscale version is **82.1152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7083, 0.2874, 0.3168** is the 20% darker color. If you saturate the color by 10%, you get **76.3349, 0.2769, 0.3117**, and if you desaturate by 10%, it is **91.9132, 0.3077, 0.3268**.

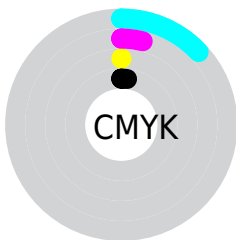
# Distribution



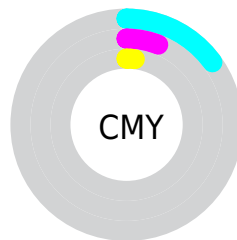
- Red (85%)
- Green (94%)
- Blue (98%)



- Red (85%)
- Yellow (90%)
- Blue (98%)



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (15%)
- Magenta (6%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7587, 0.2922, 0.3196 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 83.7587, 0.2922, 0.3196 by changing the saturation by 10% instead.



83.7587, 0.2922,  
0.3196

83.7587, 0.2922,  
0.3196

507.5116, 0.3014,  
0.3239

62.8162, 0.2902,  
0.3186

138.6376, 0.2953,  
0.3211

45.6926, 0.2877,  
0.3174

173.3428, 0.2966,  
0.3217

32.0033, 0.2846,  
0.3159

213.4044, 0.2976,  
0.3222

21.3640, 0.2806,  
0.3139

259.2067, 0.2986,  
0.3226

13.3903, 0.2753,  
0.3113

311.1342, 0.2994,  
0.3230

7.6979, 0.2680,  
0.3075

369.5713, 0.3002,

3.9022, 0.2571,

0.3233

0.3018

434.9023, 0.3008,  
0.3236

■ 1.6190, 0.2394,  
0.2919

■ 0.3704, 0.1391,  
0.2525

■ 83.7587, 0.2922,  
0.3196

■ 83.7587, 0.2922,  
0.3196

■ 76.3349, 0.2769,  
0.3117

■ 91.9132, 0.3077,  
0.3268

■ 69.6040, 0.2621,  
0.3031

■ 98.7054, 0.3163,  
0.3334

■ 63.5401, 0.2481,  
0.2939

■ 99.6184, 0.3162,  
0.3347

■ 58.1113, 0.2353,  
0.2841

■ 53.2829, 0.2240,  
0.2740

■ 49.0156, 0.2146,  
0.2637

■ 45.2647, 0.2071,  
0.2533

■ 41.9757, 0.2017,  
0.2431

■ 39.9613, 0.1990,  
0.2362

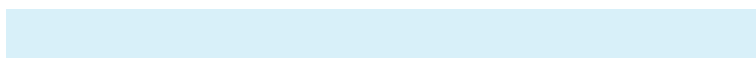
# Harmonies

## Analogous

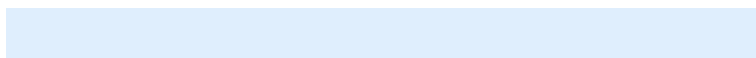
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7587, 0.2955, 0.3289



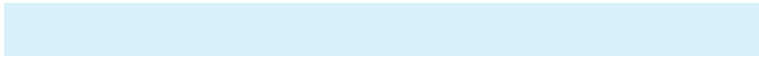
83.7587, 0.2922, 0.3196



83.7587, 0.2943, 0.3131

# Triad

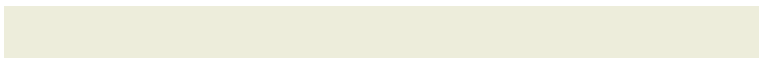
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7587, 0.2922, 0.3196



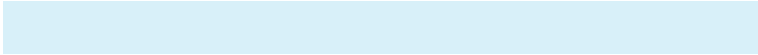
83.7587, 0.3220, 0.3199



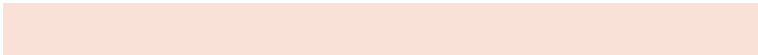
83.7587, 0.3241, 0.3477

# Complementary

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



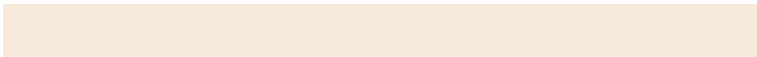
83.7587, 0.2922, 0.3196



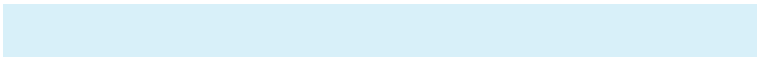
78.9403, 0.3358, 0.3382

# Split Complementary

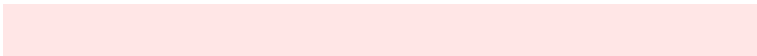
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7587, 0.3314, 0.3448



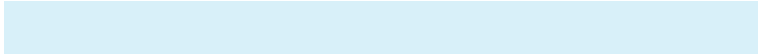
83.7587, 0.2922, 0.3196



83.7587, 0.3302, 0.3288

# Square

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



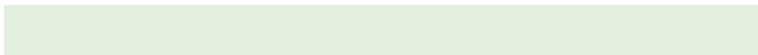
83.7587, 0.2922, 0.3196



83.7587, 0.3114, 0.3134



83.7587, 0.3337, 0.3379



83.7587, 0.3138, 0.3453



# Rectangle

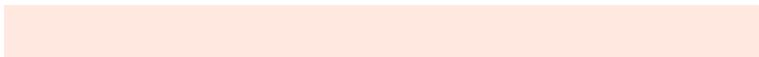
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7587, 0.2922, 0.3196



83.7587, 0.2985, 0.3111



83.7587, 0.3337, 0.3379



83.7587, 0.3270, 0.3473

# Sweetspot

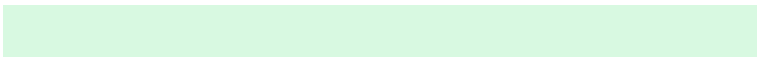
The Sweet Spot groups the original color and five complimentary colors.



83.7622, 0.2922, 0.3196



96.3572, 0.3065, 0.3263



87.7665, 0.3060, 0.3545



20.4808, 0.3053, 0.3258



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

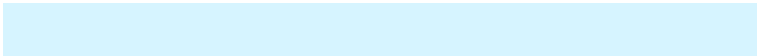


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7622, 0.2922, 0.3196



86.1816, 0.2879, 0.3175



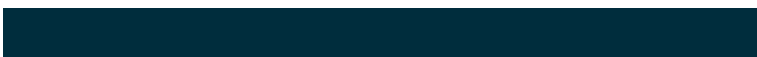
74.5929, 0.2917, 0.3022



18.7623, 0.2980, 0.3224



21.6429, 0.1994, 0.2379



2.1806, 0.2028, 0.2501



# Inverse Universe

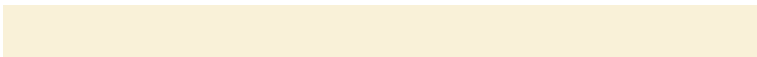
The Inverse Universe completely reimagines the original color for something new.



75.5466, 0.3203, 0.3049



75.9794, 0.3221, 0.2997



88.1767, 0.3336, 0.3544



17.4392, 0.3180, 0.3119



12.5958, 0.4045, 0.2002

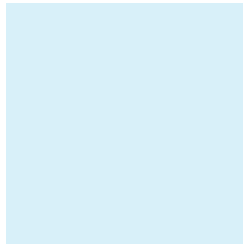


1.1844, 0.3922, 0.1934



# Previews

## White Background



This preview shows how the Yxy color 83.7587, 0.2922, 0.3196 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

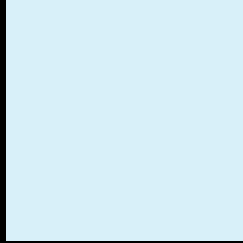
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.7587, 0.2922, 0.3196 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

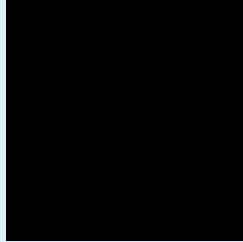
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

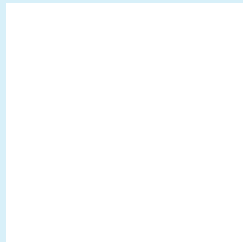
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.7587, 0.2922, 0.3196**

## Background



This preview shows how black text looks on a background with the Yxy color 83.7587, 0.2922, 0.3196.

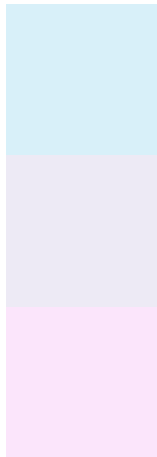


This preview shows how white text looks on a background with the Yxy color 83.7587, 0.2922, 0.3196.

# 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

83.7587, 0.2922, 0.3196

### Protanopia

83.4427, 0.3079, 0.3179

### Deuteranopia

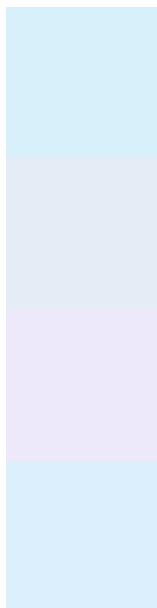
83.5129, 0.3137, 0.3075



## Tritanopia

83.5847, 0.2912, 0.3115

# Trichromacy



## Original Color

83.7587, 0.2922, 0.3196

## Protanomaly

83.3027, 0.3021, 0.3187

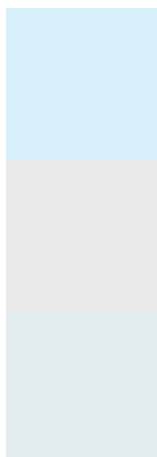
## Deuteranomaly

83.3571, 0.3055, 0.3119

## Tritanomaly

83.8849, 0.2917, 0.3145

# Monochromacy



## Original Color

83.7587, 0.2922, 0.3196

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

82.5538, 0.3050, 0.3259

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.7587, 0.2922, 0.3196 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(216, 240, 249)` looks like.

```
.text, #text, p{  
    color:rgb(216, 240, 249)  
}
```

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(216, 240, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 240, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 83.7587, 0.2922, 0.3196 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(216, 240, 249) }
```

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

```
.border{ border-color:rgb(216, 240, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 240, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 240, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 240, 249);  
box-shadow:4px 4px 4px 4px rgb(216, 240,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.7587, 0.2922, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 240, 249) }
```

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

```
.background{ background-color: rgb(216,  
240, 249) }
```

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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