

# Converting Colors

$Yxy(83.4093, 0.2965, 0.3353)$

Have a look what the booklet for  
Yxy(83.4093, 0.2965, 0.3353)  
contains.

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# Color

**Yxy(83.4093, 0.2965, 0.3353)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3F2EC
RGB	211, 242, 236
RGB Percent	83%, 95%, 93%
CMY	0.1726, 0.0510, 0.0744
CMYK	0.13, 0.00, 0.02, 0.05
HSL	168°, 54%, 89%
HSV	168°, 13%, 95%
XYZ	73.7574, 83.4093, 91.5935
YIQ	232.0470, -16.5500, -8.4380

# Conversions

## Conversions Part 2

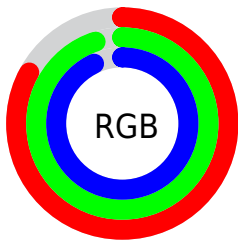
Format	Color
R <sub>Y</sub> B	211, 228, 242
Decimal	13890284
CIE Lab	93.19, -11.19, -0.53
CIE LCh	93, 11.202, 182.732
Yxy	83.4093, 0.2965, 0.3353
Android (android.graphics.Color)	4292080364 (0xFFD3F2EC)
YUV	232.0470, 1.9488, -18.4582
Hunter-Lab	91.3287, -15.6679, 4.4682

# Details

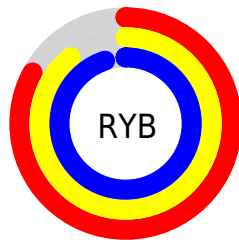
The Yxy color **83.4093, 0.2965, 0.3353** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.4690, 0.3318, 0.3228**, and the grayscale version is **80.7295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4810, 0.2929, 0.3372** is the 20% darker color. If you saturate the color by 10%, you get **79.8363, 0.2846, 0.3408**, and if you desaturate by 10%, it is **87.5344, 0.3091, 0.3303**.

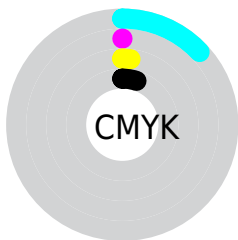
# Distribution



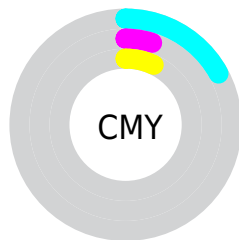
- Red (83%)
- Green (95%)
- Blue (93%)



- Red (83%)
- Yellow (89%)
- Blue (95%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (17%)
- Magenta (5%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4093, 0.2965, 0.3353 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 83.4093, 0.2965, 0.3353 by changing the saturation by 10% instead.



83.4093, 0.2965,  
0.3353

83.4093, 0.2965,  
0.3353

506.3496, 0.3038,  
0.3325

62.5279, 0.2949,  
0.3359

138.1486, 0.2990,  
0.3343

45.4594, 0.2929,  
0.3367

172.7752, 0.3000,  
0.3340

31.8194, 0.2904,  
0.3376

212.7523, 0.3008,  
0.3336

21.2236, 0.2872,  
0.3389

258.4644, 0.3016,  
0.3333

13.2875, 0.2829,  
0.3405

310.2957, 0.3022,  
0.3331

7.6268, 0.2769,  
0.3428

368.6308, 0.3028,

3.8571, 0.2679,

0.3329

0.3462

433.8540, 0.3033,  
0.3327

■ 1.5940, 0.2529,  
0.3518

■ 0.3535, 0.0750,  
0.4215

■ 83.4093, 0.2965,  
0.3353

■ 83.4093, 0.2965,  
0.3353

■ 79.8363, 0.2846,  
0.3408

■ 87.5344, 0.3091,  
0.3303

■ 76.7809, 0.2736,  
0.3467

■ 91.3816, 0.3192,  
0.3258

■ 74.2207, 0.2639,  
0.3530


■ 91.6703, 0.3163,  
0.3213

■ 72.1278, 0.2558,  
0.3596

■ 91.9663, 0.3135,  
0.3169


 70.4712, 0.2494,  
0.3665

 91.9874, 0.3133,  
0.3165

 69.2162, 0.2449,  
0.3736

 68.3228, 0.2425,  
0.3806

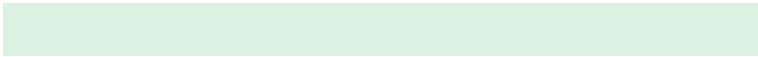
 67.7425, 0.2419,  
0.3877

 67.4663, 0.2424,  
0.3927

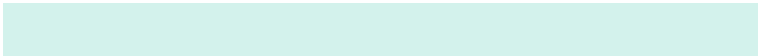
# Harmonies

## Analogous

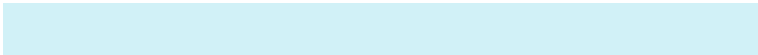
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4093, 0.3081, 0.3456



83.4093, 0.2965, 0.3353



83.4093, 0.2893, 0.3234

# Triad

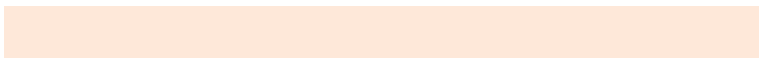
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4093, 0.2965, 0.3353



83.4093, 0.3040, 0.3079



83.4093, 0.3378, 0.3440

# Complementary

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



83.4093, 0.2965, 0.3353



70.4690, 0.3318, 0.3228

# 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.



83.4093, 0.3367, 0.3338



83.4093, 0.2965, 0.3353



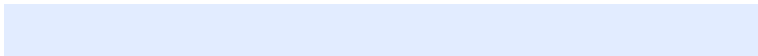
83.4093, 0.3170, 0.3132

# Square

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



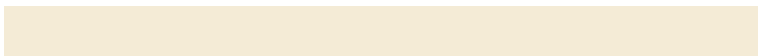
83.4093, 0.2965, 0.3353



83.4093, 0.2936, 0.3078



83.4093, 0.3290, 0.3226



83.4093, 0.3320, 0.3505

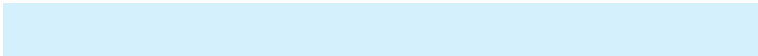


# Rectangle

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



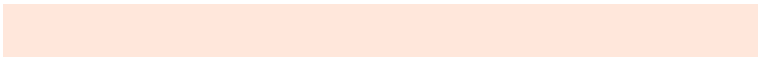
83.4093, 0.2965, 0.3353



83.4093, 0.2879, 0.3164



83.4093, 0.3290, 0.3226



83.4093, 0.3382, 0.3409

# Sweetspot

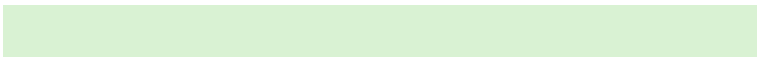
The Sweet Spot groups the original color and five complimentary colors.



83.4128, 0.2965, 0.3353



97.9907, 0.3076, 0.3309



82.9912, 0.3152, 0.3624



20.8956, 0.3066, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

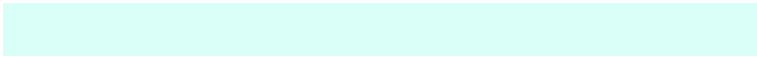


# Same Dimension

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



83.4128, 0.2965, 0.3353



92.9882, 0.2938, 0.3365



78.3667, 0.2929, 0.3190



17.8737, 0.3007, 0.3336



36.2611, 0.2421, 0.3915



3.0298, 0.2395, 0.3823



# Inverse Universe

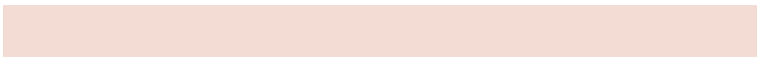
The Inverse Universe completely reimagines the original color for something new.



70.4690, 0.3318, 0.3228



76.1449, 0.3357, 0.3217



74.9216, 0.3348, 0.3388



15.8086, 0.3263, 0.3245



10.2644, 0.6093, 0.3130



0.8673, 0.5745, 0.2938



# Previews

## White Background



This preview shows how the Yxy color 83.4093, 0.2965, 0.3353 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

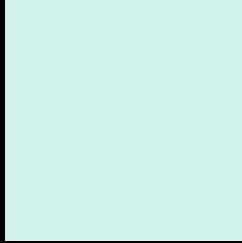
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.4093, 0.2965, 0.3353 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

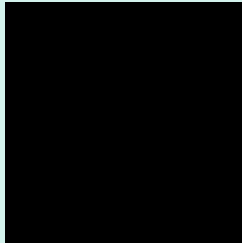
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

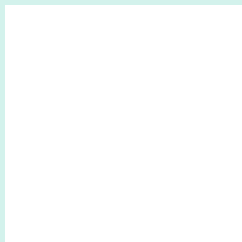
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.4093, 0.2965, 0.3353**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.4093, 0.2965, 0.3353.

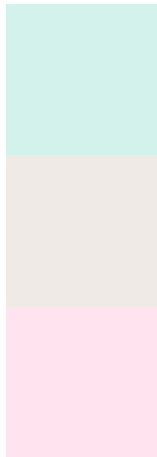


This preview shows how white text looks on a background with the Yxy color 83.4093, 0.2965, 0.3353.

# 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

83.4093, 0.2965, 0.3353

### Protanopia

83.1404, 0.3187, 0.3321

### Deuteranopia

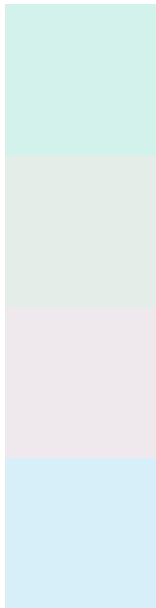
82.9788, 0.3243, 0.3182



## Tritanopia

83.1208, 0.2894, 0.3114

# Trichromacy



**Original Color**

83.4093, 0.2965, 0.3353

**Protanomaly**

83.1096, 0.3099, 0.3331

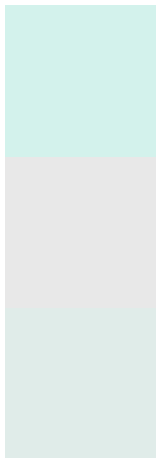
**Deuteranomaly**

82.8016, 0.3136, 0.3239

**Tritanomaly**

82.9574, 0.2921, 0.3195

# Monochromacy



**Original Color**

83.4093, 0.2965, 0.3353

**Achromatopsia**

80.6952, 0.3127, 0.3290

**Achromatomaly**

81.7214, 0.3066, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.4093, 0.2965, 0.3353 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(211, 242, 236)` looks like.

```
.text, #text, p{  
    color:rgb(211, 242, 236)  
}
```

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(211, 242, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 242, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 83.4093, 0.2965, 0.3353 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(211, 242, 236) }
```

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

```
.border{ border-color:rgb(211, 242, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 242, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 242, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 242, 236);  
box-shadow:4px 4px 4px 4px rgb(211, 242,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.4093, 0.2965, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 242, 236) }
```

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

```
.background{ background-color: rgb(211,  
242, 236) }
```

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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