

# Converting Colors

$Yxy(85.1100, 0.2996, 0.3383)$

Have a look what the booklet for  
Yxy(85.1100, 0.2996, 0.3383)  
contains.

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# Color

**Yxy(85.1466, 0.2996, 0.3385)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7F4EB
RGB	215, 244, 235
RGB Percent	84%, 96%, 92%
CMY	0.1569, 0.0431, 0.0786
CMYK	0.12, 0.00, 0.04, 0.04
HSL	161°, 57%, 90%
HSV	161°, 12%, 96%
XYZ	75.3617, 85.1466, 91.0327
YIQ	234.3030, -14.3950, -8.9470

# Conversions

## Conversions Part 2

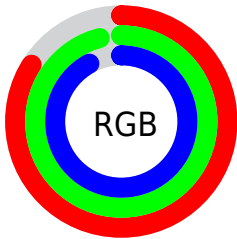
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 232, 244
Decimal	14152939
CIE Lab	93.95, -11.13, 1.15
CIE LCh	94, 11.186, 174.098
Yxy	85.1466, 0.2996, 0.3385
Android (android.graphics.Color)	4292343019 (0xFFD7F4EB)
YUV	234.3030, 0.3436, -16.9287
Hunter-Lab	92.2749, -15.6987, 6.1006

# Details

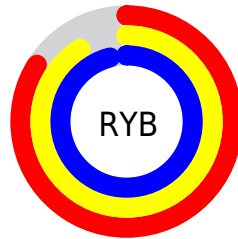
The Yxy color **85.1466, 0.2996, 0.3385** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.2103, 0.3278, 0.3197**, and the grayscale version is **82.5246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6947, 0.2968, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **81.2977, 0.2891, 0.3474**, and if you desaturate by 10%, it is **89.5723, 0.3106, 0.3304**.

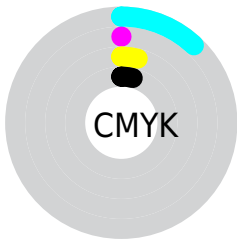
# Distribution



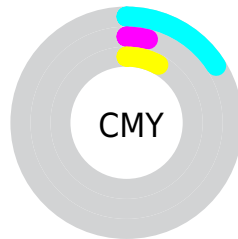
- Red (84%)
- Green (96%)
- Blue (92%)



- Red (84%)
- Yellow (91%)
- Blue (96%)



- Cyan (12%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)




- Cyan (16%)
- Magenta (4%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1466, 0.2996, 0.3385 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 85.1466, 0.2996, 0.3385 by changing the saturation by 10% instead.




 85.1466, 0.2996,  
0.3385

 85.1466, 0.2996,  
0.3385

512.1130, 0.3055,  
0.3342

 63.9625, 0.2983,  
0.3395

140.5780, 0.3016,  
0.3370

 46.6203, 0.2967,  
0.3406


175.5941, 0.3024,  
0.3365

 32.7356, 0.2947,  
0.3421


215.9896, 0.3031,  
0.3360

 21.9240, 0.2921,  
0.3440

262.1490, 0.3037,  
0.3355

 13.8010, 0.2886,  
0.3465

314.4567, 0.3042,  
0.3351

 7.9824, 0.2838,  
0.3501

373.2970, 0.3047,

 4.0837, 0.2765,

0.3348

439.0543, 0.3051,  
0.3345

0.3555

1.7205, 0.2644,  
0.3646

0.4369, 0.1472,  
0.4477

85.1466, 0.2996,  
0.3385

85.1466, 0.2996,  
0.3385

81.2977, 0.2891,  
0.3474

89.5723, 0.3106,  
0.3304

77.9904, 0.2794,  
0.3571

92.8830, 0.3161,  
0.3231


75.2019, 0.2707,  
0.3676


93.1898, 0.3132,  
0.3185


72.9036, 0.2634,  
0.3788

 71.0641, 0.2579,  
0.3904

 69.6481, 0.2542,  
0.4023

 68.6153, 0.2525,  
0.4144

 67.9170, 0.2529,  
0.4263

 67.5356, 0.2544,  
0.4359

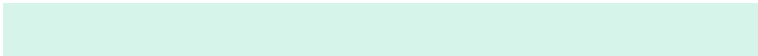
# Harmonies

## Analogous

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



85.1466, 0.3118, 0.3476



85.1466, 0.2996, 0.3385



85.1466, 0.2910, 0.3268

# Triad

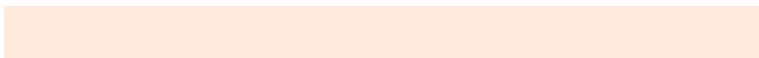
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1466, 0.2996, 0.3385



85.1466, 0.3007, 0.3074



85.1466, 0.3380, 0.3412

# Complementary

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



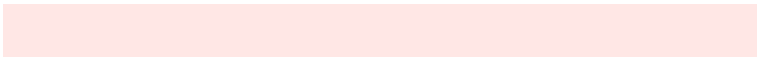
85.1466, 0.2996, 0.3385



73.2103, 0.3278, 0.3197

# 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.



85.1466, 0.3349, 0.3306



85.1466, 0.2996, 0.3385



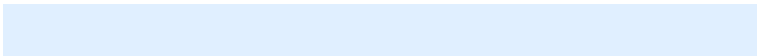
85.1466, 0.3132, 0.3113

# Square

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



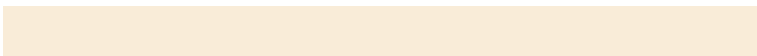
85.1466, 0.2996, 0.3385



85.1466, 0.2916, 0.3091



85.1466, 0.3258, 0.3197



85.1466, 0.3341, 0.3490

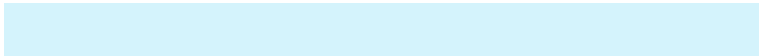


# Rectangle

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



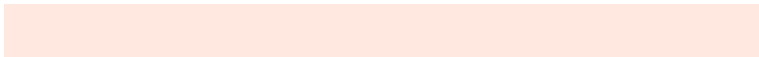
85.1466, 0.2996, 0.3385



85.1466, 0.2883, 0.3193



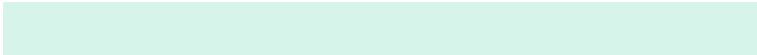
85.1466, 0.3258, 0.3197



85.1466, 0.3377, 0.3379

# Sweetspot

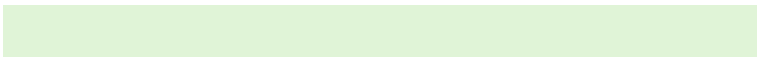
The Sweet Spot groups the original color and five complimentary colors.



85.1502, 0.2996, 0.3385



97.9135, 0.3082, 0.3321



85.4904, 0.3173, 0.3596



20.8760, 0.3074, 0.3327



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

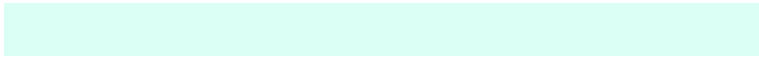


# Same Dimension

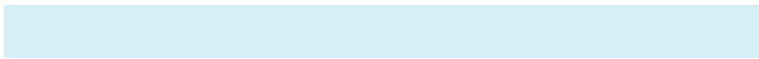
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1502, 0.2996, 0.3385



93.1506, 0.2973, 0.3403



82.5291, 0.2944, 0.3234



18.6647, 0.3022, 0.3365



36.7431, 0.2539, 0.4340



3.2478, 0.2498, 0.4191



# Inverse Universe

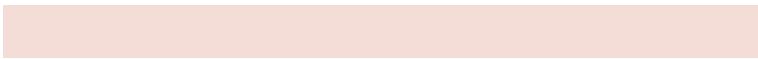
The Inverse Universe completely reimagines the original color for something new.



73.2103, 0.3278, 0.3197



77.8169, 0.3309, 0.3180



75.4869, 0.3335, 0.3346



16.5676, 0.3244, 0.3216



10.7636, 0.5722, 0.2926

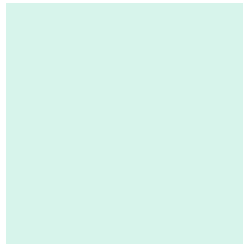


0.9637, 0.5369, 0.2731



# Previews

## White Background



This preview shows how the Yxy color 85.1466, 0.2996, 0.3385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

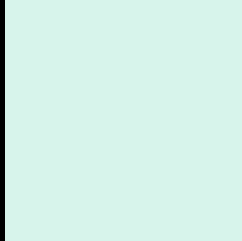
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.1466, 0.2996, 0.3385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

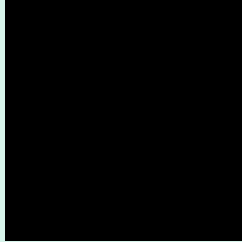
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

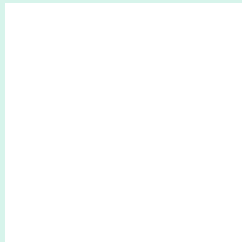
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.1466, 0.2996, 0.3385**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.1466, 0.2996, 0.3385.

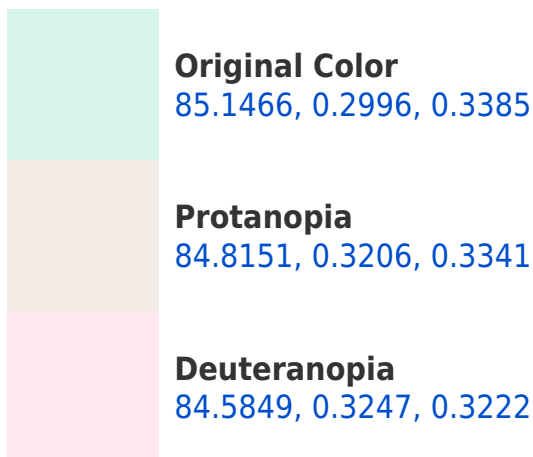


This preview shows how white text looks on a background with the Yxy color 85.1466, 0.2996, 0.3385.

# 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

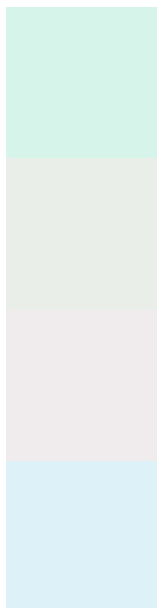




## Tritanopia

85.2282, 0.2931, 0.3136

# Trichromacy



## Original Color

85.1466, 0.2996, 0.3385

## Protanomaly

84.8828, 0.3130, 0.3362

## Deuteranomaly

84.6306, 0.3148, 0.3280

## Tritanomaly

84.9035, 0.2952, 0.3217

# Monochromacy



## Original Color

85.1466, 0.2996, 0.3385

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

83.4205, 0.3079, 0.3331

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.1466, 0.2996, 0.3385 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(215, 244, 235)` looks like.

```
.text, #text, p{  
    color:rgb(215, 244, 235)  
}
```

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(215, 244, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 244, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 85.1466, 0.2996, 0.3385 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(215, 244, 235) }
```

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

```
.border{ border-color:rgb(215, 244, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 244, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 244, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 244, 235);  
box-shadow:4px 4px 4px 4px rgb(215, 244,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.1466, 0.2996, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 244, 235) }
```

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

```
.background{ background-color: rgb(215,  
244, 235) }
```

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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