

# Converting Colors

Yxy(85.4841, 0.3001, 0.3417)

Have a look what the booklet for  
Yxy(85.4841, 0.3001, 0.3417)  
contains.

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# Color

**Yxy(85.4841, 0.3001, 0.3417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6F5E9
RGB	214, 245, 233
RGB Percent	84%, 96%, 91%
CMY	0.1610, 0.0391, 0.0864
CMYK	0.13, 0.00, 0.05, 0.04
HSL	157°, 61%, 90%
HSV	157°, 13%, 96%
XYZ	75.0769, 85.4841, 89.6120
YIQ	234.3630, -14.6240, -10.3040

# Conversions

## Conversions Part 2

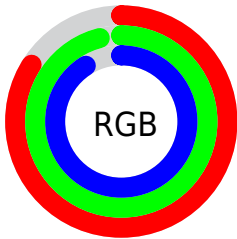
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 233, 245
Decimal	14087657
CIE <sub>Lab</sub>	94.09, -12.34, 2.39
CIE <sub>LCh</sub>	94, 12.564, 169.054
Y <sub>xy</sub>	85.4841, 0.3001, 0.3417
Android (android.graphics.Color)	4292277737 (0xFFD6F5E9)
YUV	234.3630, -0.6720, -17.8584
Hunter-Lab	92.4576, -16.8563, 7.2552

# Details

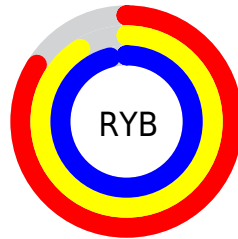
The Yxy color  $85.4841, 0.3001, 0.3417$  is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be  $72.9740, 0.3273, 0.3166$ , and the grayscale version is  $82.5767, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $46.9404, 0.2975, 0.3454$  is the 20% darker color. If you saturate the color by 10%, you get  $81.5469, 0.2906, 0.3530$ , and if you desaturate by 10%, it is  $90.0122, 0.3100, 0.3315$ .

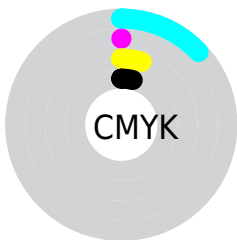
# Distribution



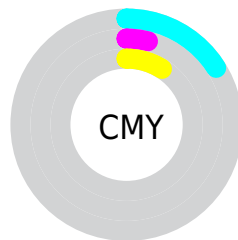
- Red (84%)
- Green (96%)
- Blue (91%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)




- Cyan (16%)
- Magenta (4%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4841, 0.3001, 0.3417 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 85.4841, 0.3001, 0.3417 by changing the saturation by 10% instead.




 85.4841, 0.3001,  
0.3417

 85.4841, 0.3001,  
0.3417


513.2286, 0.3058,  
0.3359

 64.2415, 0.2988,  
0.3430

141.0493, 0.3021,  
0.3397

 46.8463, 0.2973,  
0.3446


176.1407, 0.3028,  
0.3390

 32.9141, 0.2953,  
0.3466


216.6171, 0.3035,  
0.3383

 22.0607, 0.2928,  
0.3491

262.8630, 0.3041,  
0.3377

 13.9015, 0.2895,  
0.3526

315.2627, 0.3046,  
0.3372

 8.0522, 0.2848,  
0.3574

374.2006, 0.3050,

 4.1284, 0.2777,

0.3367

440.0611, 0.3054,  
0.3363

0.3648

1.7456, 0.2658,  
0.3774

0.4529, 0.1424,  
0.4985

85.4841, 0.3001,  
0.3417

85.4841, 0.3001,  
0.3417

81.5469, 0.2906,  
0.3530

90.0122, 0.3100,  
0.3315

78.1646, 0.2818,  
0.3653

93.6044, 0.3150,  
0.3223

75.3139, 0.2740,  
0.3786

93.7978, 0.3132,  
0.3195

72.9653, 0.2676,  
0.3928

■ 71.0868, 0.2628,  
0.4077

■ 69.6420, 0.2599,  
0.4229

■ 68.5895, 0.2591,  
0.4381

■ 67.8788, 0.2603,  
0.4531

■ 67.5202, 0.2622,  
0.4638

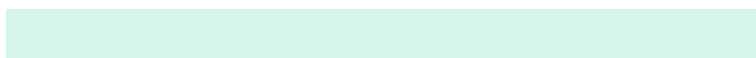
# Harmonies

## Analogous

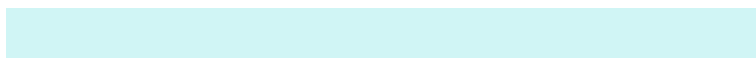
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4841, 0.3141, 0.3512



85.4841, 0.3001, 0.3417



85.4841, 0.2896, 0.3287

# Triad

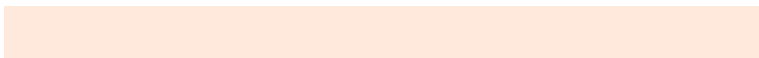
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4841, 0.3001, 0.3417



85.4841, 0.2972, 0.3047



85.4841, 0.3411, 0.3408

# Complementary

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



85.4841, 0.3001, 0.3417



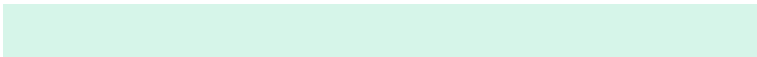
72.9740, 0.3273, 0.3166

# 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.



85.4841, 0.3363, 0.3286



85.4841, 0.3001, 0.3417



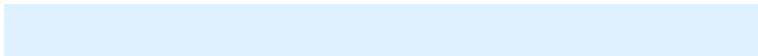
85.4841, 0.3108, 0.3081

# Square

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



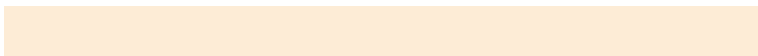
85.4841, 0.3001, 0.3417



85.4841, 0.2879, 0.3076



85.4841, 0.3252, 0.3168



85.4841, 0.3380, 0.3503

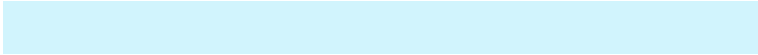


# Rectangle

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



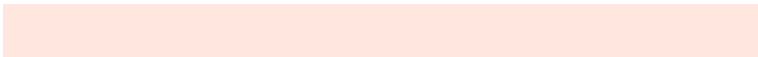
85.4841, 0.3001, 0.3417



85.4841, 0.2859, 0.3201



85.4841, 0.3252, 0.3168



85.4841, 0.3403, 0.3369

# Sweetspot

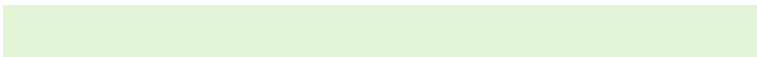
The Sweet Spot groups the original color and five complimentary colors.



85.4877, 0.3001, 0.3417



97.8644, 0.3087, 0.3328



86.4000, 0.3192, 0.3616



20.8636, 0.3079, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

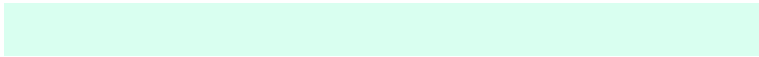


# Same Dimension

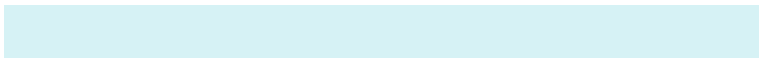
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4877, 0.3001, 0.3417



92.5347, 0.2978, 0.3443



84.3353, 0.2932, 0.3257



18.6426, 0.3032, 0.3383



36.3952, 0.2615, 0.4615



3.2189, 0.2564, 0.4430



# Inverse Universe

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



72.9740, 0.3273, 0.3166



76.5594, 0.3304, 0.3143



73.9230, 0.3354, 0.3323



16.5889, 0.3233, 0.3199



10.9281, 0.5429, 0.2765

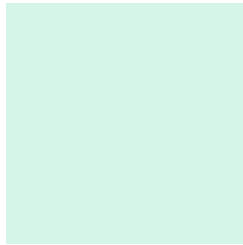


0.9800, 0.5093, 0.2579



# Previews

## White Background



This preview shows how the Yxy color 85.4841, 0.3001, 0.3417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

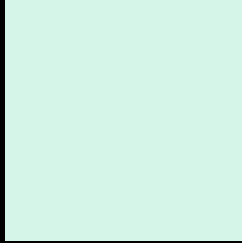
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4841, 0.3001, 0.3417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

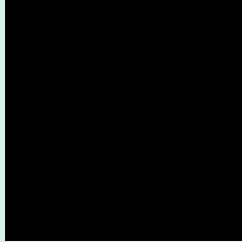
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

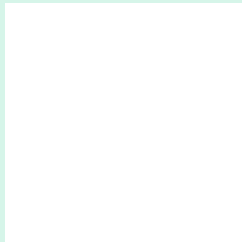
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.4841, 0.3001, 0.3417**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4841, 0.3001, 0.3417.

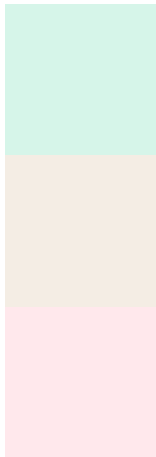


This preview shows how white text looks on a background with the Yxy color 85.4841, 0.3001, 0.3417.

# 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

85.4841, 0.3001, 0.3417

### Protanopia

85.4029, 0.3230, 0.3381

### Deuteranopia

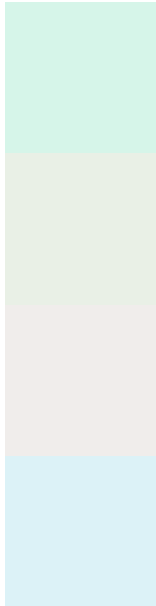
85.0294, 0.3259, 0.3251



## Tritanopia

85.2282, 0.2931, 0.3136

# Trichromacy



## Original Color

85.4841, 0.3001, 0.3417

## Protanomaly

85.3570, 0.3142, 0.3393

## Deuteranomaly

85.0918, 0.3160, 0.3310

## Tritanomaly

85.4353, 0.2958, 0.3238

# Monochromacy



## Original Color

85.4841, 0.3001, 0.3417

## 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 85.4841, 0.3001, 0.3417 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(214, 245, 233)` looks like.

```
.text, #text, p{  
    color:rgb(214, 245, 233)  
}
```

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(214, 245, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 245, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4841, 0.3001, 0.3417 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(214, 245, 233) }
```

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

```
.border{ border-color:rgb(214, 245, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 245, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 245, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 245, 233);  
box-shadow:4px 4px 4px 4px rgb(214, 245,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4841, 0.3001, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 245, 233) }
```

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

```
.background{ background-color: rgb(214,  
245, 233) }
```

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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