

Converting Colors

$Yxy(85.2223, 0.2970, 0.3426)$

Have a look what the booklet for
Yxy(85.2223, 0.2970, 0.3426)
contains.

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Color

Yxy(85.3500, 0.2971, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	D1F6E9
RGB	209, 246, 233
RGB Percent	82%, 96%, 91%
CMY	0.1801, 0.0353, 0.0863
CMYK	0.15, 0.00, 0.05, 0.04
HSL	159°, 67%, 89%
HSV	159°, 15%, 96%
XYZ	73.9717, 85.3500, 89.6573
YIQ	233.4550, -17.8790, -11.8870

Conversions

Conversions Part 2

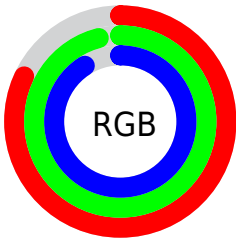
Format	Color
R _Y B	209, 231, 246
Decimal	13760233
CIE Lab	94.03, -14.37, 2.25
CIE LCh	94, 14.543, 171.081
Yxy	85.3500, 0.2971, 0.3428
Android (android.graphics.Color)	4291950313 (0xFFD1F6E9)
YUV	233.4550, -0.2243, -21.4470
Hunter-Lab	92.3851, -18.7510, 7.1301

Details

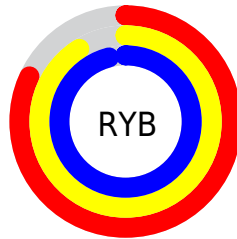
The Yxy color **85.3500, 0.2971, 0.3428** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.5052, 0.3313, 0.3156**, and the grayscale version is **81.8686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8713, 0.2937, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **81.5536, 0.2873, 0.3532**, and if you desaturate by 10%, it is **89.7318, 0.3074, 0.3334**.

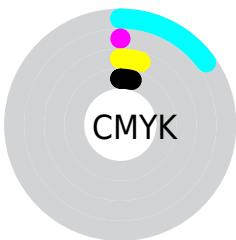
Distribution



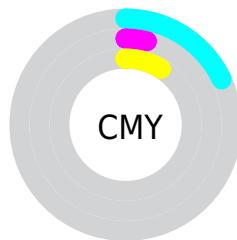
- Red (82%)
- Green (96%)
- Blue (91%)



- Red (82%)
- Yellow (91%)
- Blue (96%)



- Cyan (15%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)




- Cyan (18%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3500, 0.2971, 0.3428 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 85.3500, 0.2971, 0.3428 by changing the saturation by 10% instead.


 85.3500, 0.2971,
0.3428

 85.3500, 0.2971,
0.3428


512.7855, 0.3042,
0.3365

 64.1306, 0.2955,
0.3442

140.8621, 0.2995,
0.3407

 46.7565, 0.2936,
0.3459


175.9236, 0.3005,
0.3398

 32.8432, 0.2912,
0.3481


216.3679, 0.3013,
0.3391

 22.0063, 0.2881,
0.3509

262.5794, 0.3020,
0.3384

 13.8616, 0.2840,
0.3546

314.9425, 0.3026,
0.3379

 8.0244, 0.2782,
0.3599

373.8416, 0.3032,

 4.1106, 0.2694,

0.3374

0.3679

439.6612, 0.3037,
0.3369

■ 1.7356, 0.2548,
0.3816

■ 0.4466, 0.0868,
0.5261

■ 85.3500, 0.2971,
0.3428

■ 85.3500, 0.2971,
0.3428

■ 81.5536, 0.2873,
0.3532

■ 89.7318, 0.3074,
0.3334

■ 78.3063, 0.2783,
0.3646


■ 94.0869, 0.3159,
0.3249


■ 75.5841, 0.2704,
0.3768


■ 94.3851, 0.3131,
0.3204


■ 73.3567, 0.2640,
0.3897

 71.5909, 0.2594,
0.4032

 70.2494, 0.2567,
0.4169

 69.2884, 0.2560,
0.4307

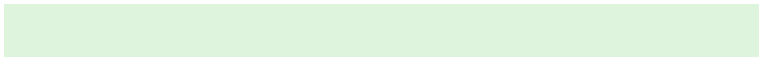
 68.6546, 0.2574,
0.4442

 68.4211, 0.2586,
0.4508

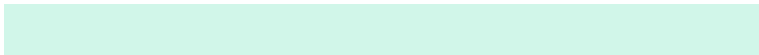
Harmonies

Analogous

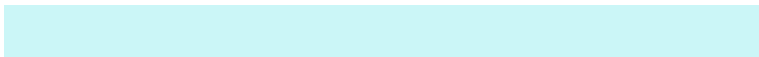
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3500, 0.3132, 0.3542



85.3500, 0.2971, 0.3428



85.3500, 0.2854, 0.3276

Triad

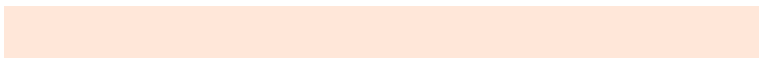
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3500, 0.2971, 0.3428



85.3500, 0.2957, 0.3010



85.3500, 0.3456, 0.3434

Complementary

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



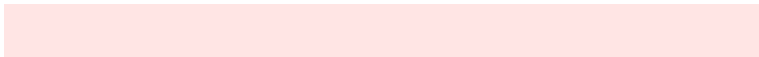
85.3500, 0.2971, 0.3428



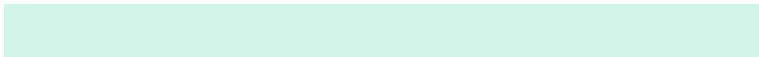
70.5052, 0.3313, 0.3156

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.



85.3500, 0.3408, 0.3294



85.3500, 0.2971, 0.3428



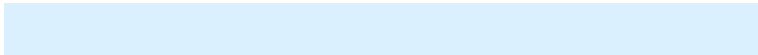
85.3500, 0.3116, 0.3054

Square

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



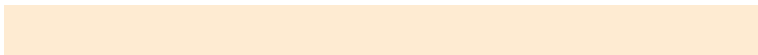
85.3500, 0.2971, 0.3428



85.3500, 0.2846, 0.3037



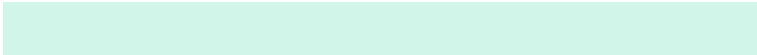
85.3500, 0.3282, 0.3157



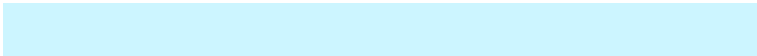
85.3500, 0.3414, 0.3541

Rectangle

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



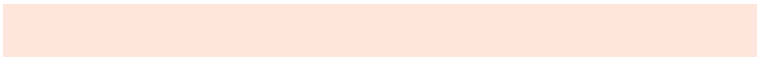
85.3500, 0.2971, 0.3428



85.3500, 0.2815, 0.3177



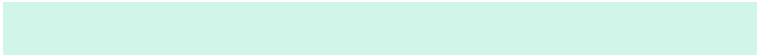
85.3500, 0.3282, 0.3157



85.3500, 0.3450, 0.3389

Sweetspot

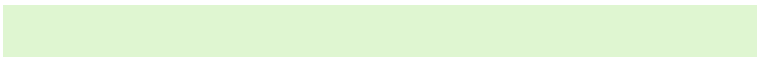
The Sweet Spot groups the original color and five complimentary colors.



85.3536, 0.2971, 0.3428



97.3757, 0.3074, 0.3334



86.1380, 0.3196, 0.3682



20.7663, 0.3067, 0.3340



0.0000, 0.0000, 0.0000



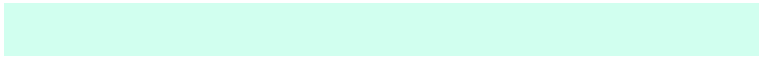
21.4041, 0.3127, 0.3290

Same Dimension

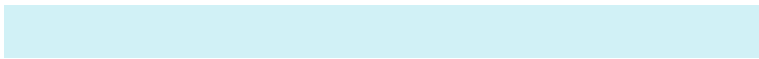
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3536, 0.2971, 0.3428



91.3123, 0.2941, 0.3459



83.1694, 0.2897, 0.3237



18.6529, 0.3028, 0.3375



36.5518, 0.2580, 0.4486



3.2320, 0.2533, 0.4318

Inverse Universe

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



70.5052, 0.3313, 0.3156



72.3606, 0.3358, 0.3128



72.2884, 0.3401, 0.3342



16.5789, 0.3238, 0.3207



10.8459, 0.5570, 0.2842



0.9720, 0.5223, 0.2651

Previews

White Background



This preview shows how the Yxy color 85.3500, 0.2971, 0.3428 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 85.3500, 0.2971, 0.3428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

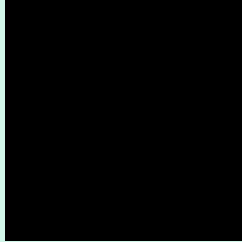
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

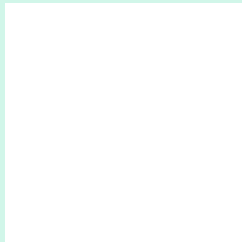
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.3500, 0.2971, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 85.3500, 0.2971, 0.3428.

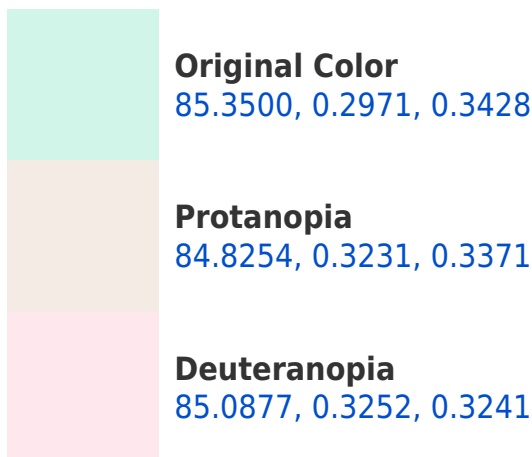


This preview shows how white text looks on a background with the Yxy color 85.3500, 0.2971, 0.3428.

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

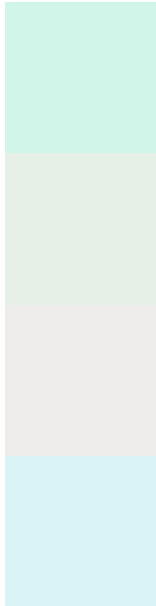




Tritanopia

85.5027, 0.2919, 0.3146

Trichromacy



Original Color

85.3500, 0.2971, 0.3428

Protanomaly

85.0223, 0.3129, 0.3393

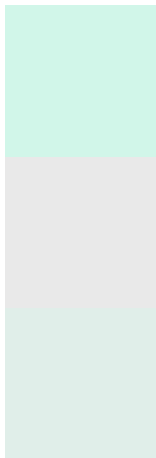
Deuteranomaly

84.8016, 0.3140, 0.3300

Tritanomaly

85.5683, 0.2940, 0.3248

Monochromacy



Original Color

85.3500, 0.2971, 0.3428

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.8796, 0.3066, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3500, 0.2971, 0.3428 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(209, 246, 233)` looks like.

```
.text, #text, p{  
    color:rgb(209, 246, 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(209, 246, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 246, 233) }
```

Border

The CSS property to change the border of an element to Yxy 85.3500, 0.2971, 0.3428 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(209, 246, 233) }
```

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

```
.border{ border-color:rgb(209, 246, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 246, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 246, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 246, 233);  
box-shadow:4px 4px 4px 4px rgb(209, 246,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3500, 0.2971, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 246, 233) }
```

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

```
.background{ background-color: rgb(209,  
246, 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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