

Converting Colors

$Yxy(85.4123, 0.2962, 0.3406)$

Have a look what the booklet for
Yxy(85.4123, 0.2962, 0.3406)
contains.

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Color

Yxy(85.4650, 0.2959, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	D1F6EB
RGB	209, 246, 235
RGB Percent	82%, 96%, 92%
CMY	0.1804, 0.0353, 0.0783
CMYK	0.15, 0.00, 0.04, 0.04
HSL	162°, 67%, 89%
HSV	162°, 15%, 96%
XYZ	74.2487, 85.4650, 91.2112
YIQ	233.6830, -18.5210, -11.2650

Conversions

Conversions Part 2

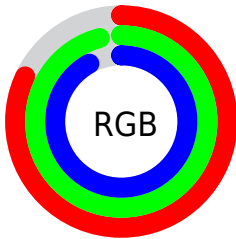
Format	Color
R _Y B	209, 231, 246
Decimal	13760235
CIE Lab	94.08, -14.01, 1.26
CIE LCh	94, 14.063, 174.847
Yxy	85.4650, 0.2959, 0.3406
Android (android.graphics.Color)	4291950315 (0xFFD1F6EB)
YUV	233.6830, 0.6493, -21.6470
Hunter-Lab	92.4473, -18.4212, 6.2159

Details

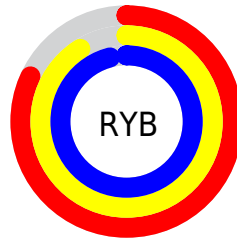
The Yxy color **85.4650, 0.2959, 0.3406** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.3563, 0.3329, 0.3177**, and the grayscale version is **82.0358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9516, 0.2923, 0.3441** is the 20% darker color. If you saturate the color by 10%, you get **81.7405, 0.2854, 0.3493**, and if you desaturate by 10%, it is **89.7679, 0.3070, 0.3327**.

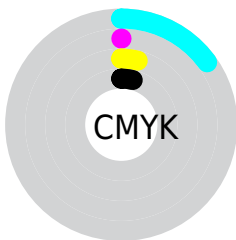
Distribution



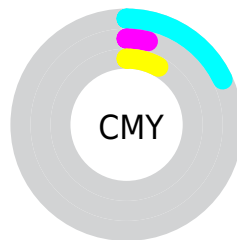
- Red (82%)
- Green (96%)
- Blue (92%)



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



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




- Cyan (18%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.4650, 0.2959, 0.3406 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 85.4650, 0.2959, 0.3406 by changing the saturation by 10% instead.


 85.4650, 0.2959,
0.3406

 85.4650, 0.2959,
0.3406

513.1655, 0.3035,
0.3354

 64.2257, 0.2942,
0.3418


141.0227, 0.2985,
0.3388

 46.8335, 0.2922,
0.3432

176.1098, 0.2995,
0.3381

 32.9040, 0.2896,
0.3450


216.5816, 0.3004,
0.3375

 22.0529, 0.2863,
0.3473

262.8226, 0.3012,
0.3370

 13.8958, 0.2819,
0.3504

315.2171, 0.3018,
0.3365

 8.0482, 0.2757,
0.3547

374.1494, 0.3024,

 4.1258, 0.2665,

0.3361

0.3613

440.0041, 0.3030,
0.3357

■ 1.7442, 0.2512,
0.3723

■ 0.4520, 0.0930,
0.4790

■ 85.4650, 0.2959,
0.3406

■ 85.4650, 0.2959,
0.3406

■ 81.7405, 0.2854,
0.3493

■ 89.7679, 0.3070,
0.3327

■ 78.5581, 0.2758,
0.3588

■ 94.0515, 0.3163,
0.3255

■ 75.8940, 0.2674,
0.3689

■ 94.3935, 0.3131,
0.3204

■ 73.7180, 0.2605,
0.3796

■ 71.9972, 0.2554,
0.3907

■ 70.6942, 0.2522,
0.4021

■ 69.7655, 0.2511,
0.4135

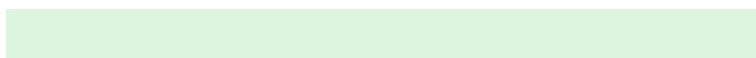
■ 69.1577, 0.2519,
0.4247

■ 68.9363, 0.2528,
0.4302

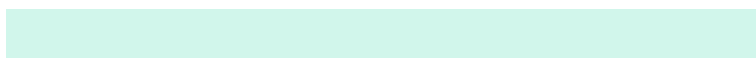
Harmonies

Analogous

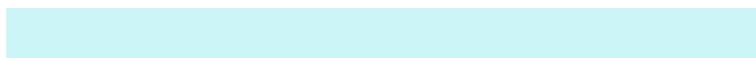
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4650, 0.3111, 0.3523



85.4650, 0.2959, 0.3406



85.4650, 0.2853, 0.3258

Triad

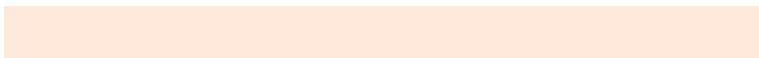
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4650, 0.2959, 0.3406



85.4650, 0.2980, 0.3021



85.4650, 0.3445, 0.3445

Complementary

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



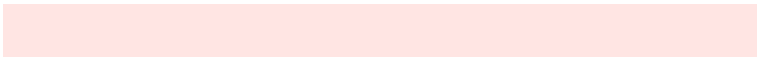
85.4650, 0.2959, 0.3406



70.3563, 0.3329, 0.3177

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.



85.4650, 0.3409, 0.3312



85.4650, 0.2959, 0.3406



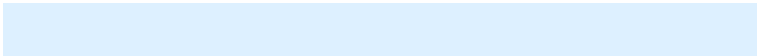
85.4650, 0.3137, 0.3072

Square

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



85.4650, 0.2959, 0.3406



85.4650, 0.2865, 0.3039



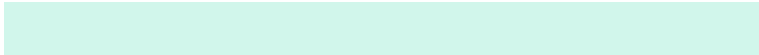
85.4650, 0.3295, 0.3177



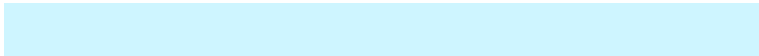
85.4650, 0.3394, 0.3542

Rectangle

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



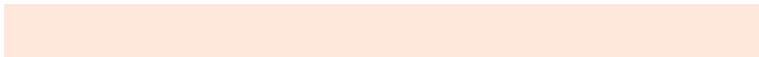
85.4650, 0.2959, 0.3406



85.4650, 0.2822, 0.3164



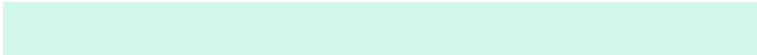
85.4650, 0.3295, 0.3177



85.4650, 0.3443, 0.3403

Sweetspot

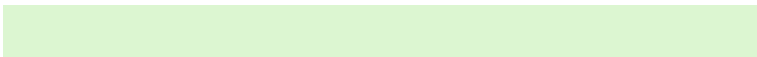
The Sweet Spot groups the original color and five complimentary colors.



85.4686, 0.2959, 0.3406



97.4207, 0.3070, 0.3327



85.7474, 0.3180, 0.3685



20.7772, 0.3062, 0.3332



0.0000, 0.0000, 0.0000



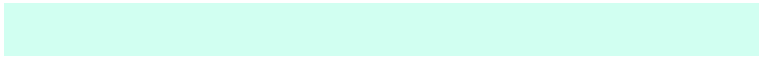
21.4041, 0.3127, 0.3290

Same Dimension

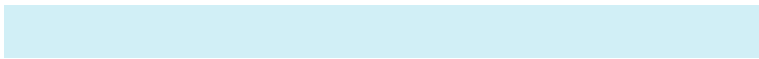
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4686, 0.2959, 0.3406



91.4651, 0.2927, 0.3431



81.7083, 0.2895, 0.3211



18.6693, 0.3020, 0.3361



36.8203, 0.2523, 0.4284



3.2541, 0.2484, 0.4143

Inverse Universe

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



70.3563, 0.3329, 0.3177



72.2212, 0.3377, 0.3153



73.5114, 0.3398, 0.3368



16.5633, 0.3247, 0.3220



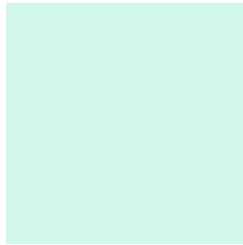
10.7350, 0.5778, 0.2956



0.9608, 0.5423, 0.2761

Previews

White Background



This preview shows how the Yxy color 85.4650, 0.2959, 0.3406 looks on a white background.

Color Contrast Check

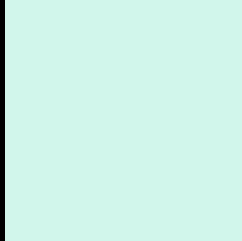
Large Text (above 18pt) WCAG AA × Fail

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 85.4650, 0.2959, 0.3406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

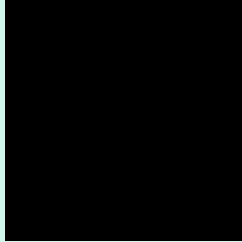
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

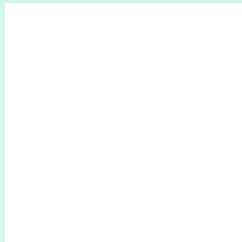
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.4650, 0.2959, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 85.4650, 0.2959, 0.3406.

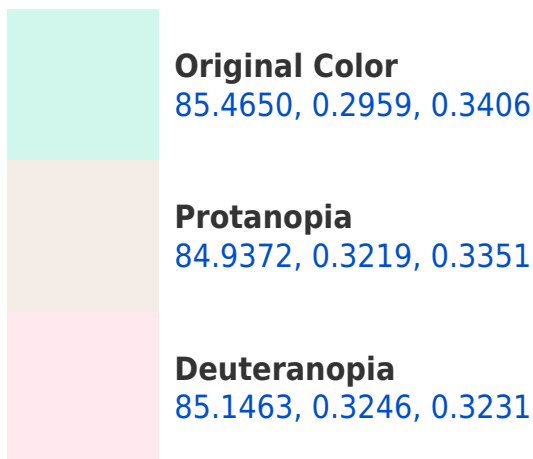


This preview shows how white text looks on a background with the Yxy color 85.4650, 0.2959, 0.3406.

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

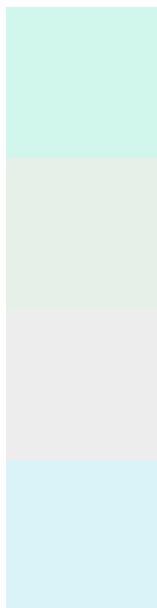




Tritanopia

85.5027, 0.2919, 0.3146

Trichromacy



Original Color

85.4650, 0.2959, 0.3406

Protanomaly

85.1353, 0.3117, 0.3372

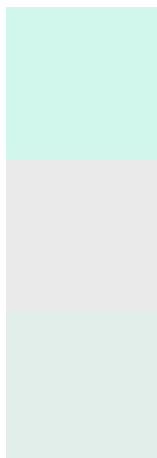
Deuteranomaly

84.8599, 0.3134, 0.3290

Tritanomaly

85.6302, 0.2934, 0.3238

Monochromacy



Original Color

85.4650, 0.2959, 0.3406

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.0971, 0.3066, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4650, 0.2959, 0.3406 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(209, 246, 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(209, 246, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 246, 235) }
```

Border

The CSS property to change the border of an element to Yxy 85.4650, 0.2959, 0.3406 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, 235) }
```

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

```
.border{ border-color:rgb(209, 246, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 246, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 246, 235);  
box-shadow:4px 4px 4px 4px rgb(209, 246,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4650, 0.2959, 0.3406 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, 235) }
```

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

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