

Converting Colors

$Yxy(85.3571, 0.2929, 0.3418)$

Have a look what the booklet for
Yxy(85.3571, 0.2929, 0.3418)
contains.

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Color

Yxy(85.3571, 0.2929, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	CCF7EB
RGB	204, 247, 235
RGB Percent	80%, 97%, 92%
CMY	0.2003, 0.0313, 0.0784
CMYK	0.17, 0.00, 0.05, 0.03
HSL	163°, 73%, 88%
HSV	163°, 17%, 97%
XYZ	73.1454, 85.3571, 91.2257
YIQ	232.7750, -21.7760, -12.8480

Conversions

Conversions Part 2

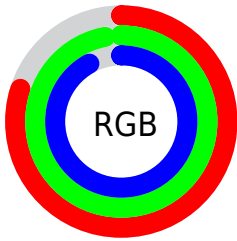
Format	Color
R_{YB}	204, 229, 247
Decimal	13432811
CIE Lab	94.04, -16.10, 1.17
CIE LCh	94, 16.142, 175.832
Yxy	85.3571, 0.2929, 0.3418
Android (android.graphics.Color)	4291622891 (0xFFCCCF7EB)
YUV	232.7750, 1.0969, -25.2357
Hunter-Lab	92.3889, -20.3600, 6.1287

Details

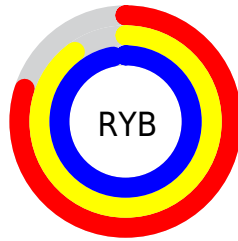
The Yxy color **85.3571, 0.2929, 0.3418** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.8870, 0.3373, 0.3166**, and the grayscale version is **81.3053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9058, 0.2886, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **81.7537, 0.2824, 0.3501**, and if you desaturate by 10%, it is **89.5365, 0.3041, 0.3342**.

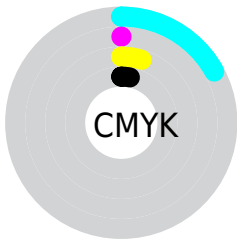
Distribution



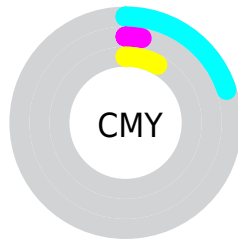
- Red (80%)
- Green (97%)
- Blue (92%)



- Red (80%)
- Yellow (90%)
- Blue (97%)



- Cyan (17%)
- Magenta (0%)
- Yellow (5%)
- Black (3%)



- Cyan (20%)
- Magenta (3%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.3571, 0.2929, 0.3418 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 85.3571, 0.2929, 0.3418 by changing the saturation by 10% instead.

85.3571, 0.2929,
0.3418

85.3571, 0.2929,
0.3418

512.8090, 0.3018,
0.3360

64.1365, 0.2909,
0.3431

140.8720, 0.2960,
0.3398

46.7612, 0.2885,
0.3447

175.9351, 0.2971,
0.3390

32.8469, 0.2855,
0.3466

216.3811, 0.2982,
0.3384

22.0092, 0.2816,
0.3492

262.5944, 0.2991,
0.3378

13.8637, 0.2764,
0.3526

314.9595, 0.2999,
0.3373

8.0259, 0.2692,
0.3574

373.8606, 0.3006,

4.1115, 0.2583,

0.3368

0.3646

439.6823, 0.3012,
0.3364

1.7361, 0.2404,
0.3767

0.4469, 0.0360,
0.5060

85.3571, 0.2929,
0.3418

85.3571, 0.2929,
0.3418

81.7537, 0.2824,
0.3501

89.5365, 0.3041,
0.3342

78.6894, 0.2729,
0.3592

94.3057, 0.3157,
0.3273

76.1394, 0.2646,
0.3688

95.0137, 0.3131,
0.3214

74.0729, 0.2580,
0.3789

■ 72.4556, 0.2532,
0.3894

■ 71.2484, 0.2503,
0.4000

■ 70.4056, 0.2496,
0.4107

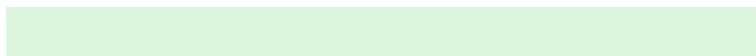
■ 69.8673, 0.2506,
0.4212

■ 69.7553, 0.2511,
0.4238

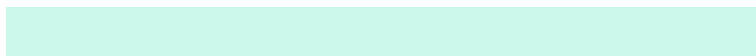
Harmonies

Analogous

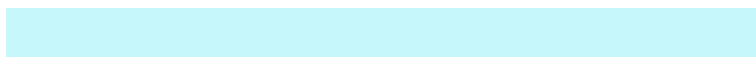
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3571, 0.3102, 0.3556



85.3571, 0.2929, 0.3418



85.3571, 0.2811, 0.3246

Triad

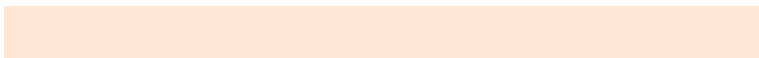
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3571, 0.2929, 0.3418



85.3571, 0.2964, 0.2983



85.3571, 0.3492, 0.3471

Complementary

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



85.3571, 0.2929, 0.3418



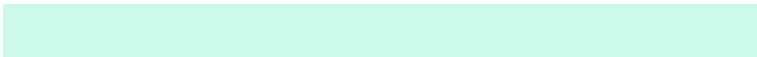
67.8870, 0.3373, 0.3166

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.



85.3571, 0.3454, 0.3319



85.3571, 0.2929, 0.3418



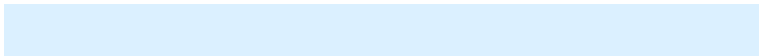
85.3571, 0.3144, 0.3044

Square

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



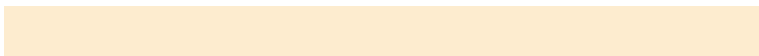
85.3571, 0.2929, 0.3418



85.3571, 0.2830, 0.3000



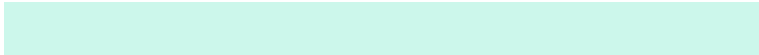
85.3571, 0.3325, 0.3165



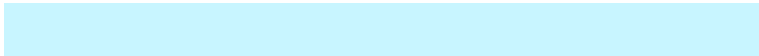
85.3571, 0.3430, 0.3582

Rectangle

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



85.3571, 0.2929, 0.3418



85.3571, 0.2777, 0.3140



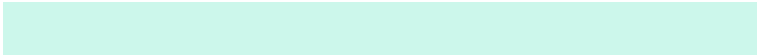
85.3571, 0.3325, 0.3165



85.3571, 0.3491, 0.3423

Sweetspot

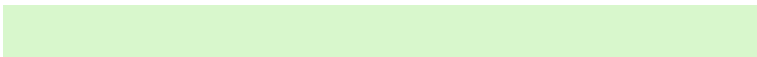
The Sweet Spot groups the original color and five complimentary colors.



85.3607, 0.2929, 0.3418



97.4348, 0.3069, 0.3324



85.5107, 0.3183, 0.3754



20.7807, 0.3061, 0.3329



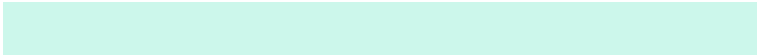
0.0000, 0.0000, 0.0000



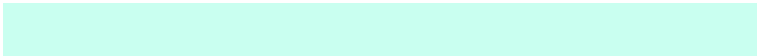
21.4041, 0.3127, 0.3290

Same Dimension

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



85.3607, 0.2929, 0.3418



90.2958, 0.2890, 0.3447



80.5103, 0.2859, 0.3190



18.6744, 0.3018, 0.3357



36.9099, 0.2506, 0.4221



3.2614, 0.2469, 0.4089

Inverse Universe

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



67.8870, 0.3373, 0.3166



68.2206, 0.3436, 0.3139



71.8583, 0.3448, 0.3388



16.5584, 0.3250, 0.3224



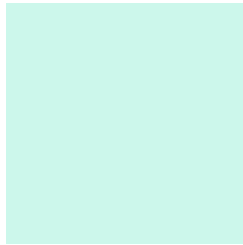
10.7047, 0.5838, 0.2990



0.9576, 0.5484, 0.2795

Previews

White Background



This preview shows how the Yxy color 85.3571, 0.2929, 0.3418 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 85.3571, 0.2929, 0.3418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

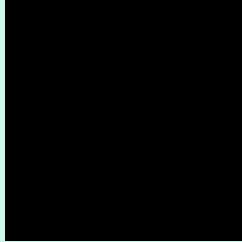
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

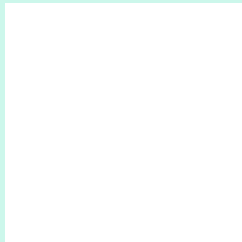
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.3571, 0.2929, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 85.3571, 0.2929, 0.3418.

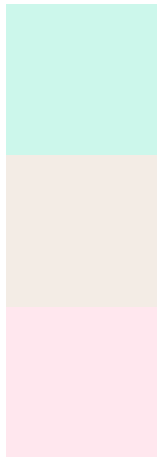


This preview shows how white text looks on a background with the Yxy color 85.3571, 0.2929, 0.3418.

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

85.3571, 0.2929, 0.3418

Protanopia

84.7027, 0.3218, 0.3361

Deuteranopia

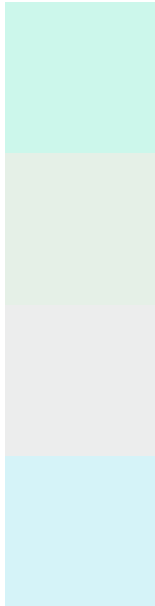
84.5849, 0.3247, 0.3222



Tritanopia

85.0360, 0.2901, 0.3145

Trichromacy



Original Color

85.3571, 0.2929, 0.3418

Protanomaly

84.7477, 0.3110, 0.3383

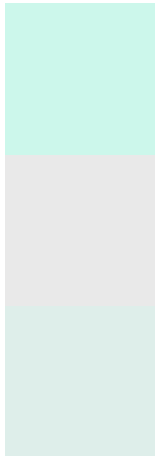
Deuteranomaly

84.5157, 0.3121, 0.3290

Tritanomaly

85.0246, 0.2910, 0.3237

Monochromacy



Original Color

85.3571, 0.2929, 0.3418

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.6192, 0.3047, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3571, 0.2929, 0.3418 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(204, 247, 235)` looks like.

```
.text, #text, p{  
    color:rgb(204, 247, 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(204, 247, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 247, 235) }
```

Border

The CSS property to change the border of an element to Yxy 85.3571, 0.2929, 0.3418 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(204, 247, 235) }
```

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

```
.border{ border-color:rgb(204, 247, 235) }
```

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

Here you see how a box with a 4 pixel rgb(204, 247, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 247, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 247, 235);  
box-shadow:4px 4px 4px 4px rgb(204, 247,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3571, 0.2929, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 247, 235) }
```

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

```
.background{ background-color: rgb(204,  
247, 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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