

Converting Colors

$Yxy(86.7687, 0.2885, 0.3419)$

Have a look what the booklet for
Yxy(86.7687, 0.2885, 0.3419)
contains.

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Color

Yxy(86.6864, 0.2885, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	C7FAEE
RGB	199, 250, 238
RGB Percent	78%, 98%, 93%
CMY	0.2196, 0.0196, 0.0667
CMYK	0.20, 0.00, 0.05, 0.02
HSL	166°, 84%, 88%
HSV	166°, 20%, 98%
XYZ	73.1686, 86.6864, 93.7623
YIQ	233.3830, -26.5440, -14.5440

Conversions

Conversions Part 2

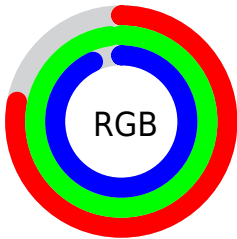
Format	Color
RYB	199, 228, 250
Decimal	13105902
CIELab	94.61, -18.50, 0.42
CIELCh	95, 18.505, 178.695
Yxy	86.6864, 0.2885, 0.3418
Android (android.graphics.Color)	4291295982 (0xFFC7FAEE)
YUV	233.3830, 2.2762, -30.1539
Hunter-Lab	93.1055, -22.6574, 5.4656

Details

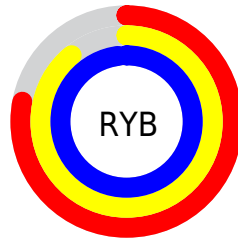
The Yxy color **86.6864, 0.2885, 0.3418** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.8708, 0.3442, 0.3166**, and the grayscale version is **81.7871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4466, 0.2831, 0.3443** is the 20% darker color. If you saturate the color by 10%, you get **83.2064, 0.2777, 0.3490**, and if you desaturate by 10%, it is **90.7467, 0.3001, 0.3352**.

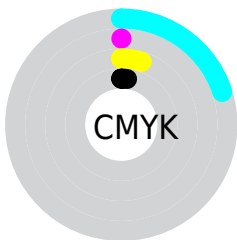
Distribution



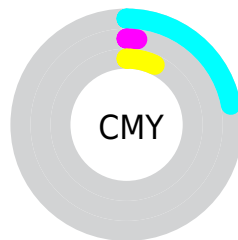
- Red (78%)
- Green (98%)
- Blue (93%)



- Red (78%)
- Yellow (89%)
- Blue (98%)



- Cyan (20%)
- Magenta (0%)
- Yellow (5%)
- Black (2%)





- Cyan (22%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6864, 0.2885, 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 86.6864, 0.2885, 0.3418 by changing the saturation by 10% instead.

 86.6864, 0.2885,
0.3418

 86.6864, 0.2885,
0.3418


517.1918, 0.2994,
0.3361

 65.2357, 0.2861,
0.3431

142.7270, 0.2922,
0.3398

 47.6522, 0.2832,
0.3446


178.0856, 0.2937,
0.3391

 33.5516, 0.2795,
0.3466


218.8491, 0.2949,
0.3384

 22.5493, 0.2749,
0.3490

265.4017, 0.2960,
0.3378

 14.2611, 0.2687,
0.3523

318.1279, 0.2970,
0.3373

 8.3025, 0.2600,
0.3569

377.4120, 0.2979,

 4.2891, 0.2473,

0.3368

0.3638

443.6386, 0.2987,
0.3364

■ 1.8366, 0.2265,
0.3750

■ 0.5098, 0.0308,
0.4772

■ 86.6864, 0.2885,
0.3418

■ 86.6864, 0.2885,
0.3418

■ 83.2064, 0.2777,
0.3490

■ 90.7467, 0.3001,
0.3352


■ 80.2683, 0.2681,
0.3567


■ 95.4021, 0.3122,
0.3292


■ 77.8460, 0.2599,
0.3649

■ 96.8563, 0.3129,
0.3242

■ 75.9067, 0.2535,
0.3734

 74.4139, 0.2489,
0.3821

 73.3258, 0.2463,
0.3910

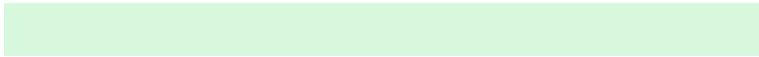
 72.5925, 0.2457,
0.3998

 72.1448, 0.2467,
0.4081

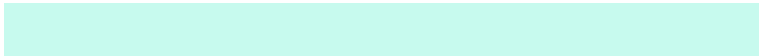
Harmonies

Analogous

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



86.6864, 0.3077, 0.3583



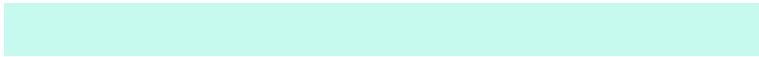
86.6864, 0.2885, 0.3418



86.6864, 0.2759, 0.3221

Triad

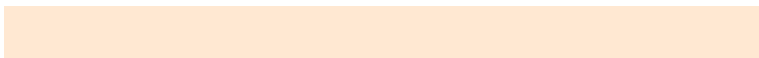
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6864, 0.2885, 0.3418



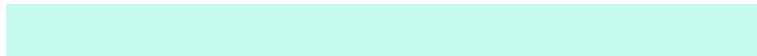
86.6864, 0.2958, 0.2945



86.6864, 0.3542, 0.3510

Complementary

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



86.6864, 0.2885, 0.3418



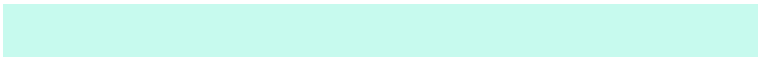
65.8708, 0.3442, 0.3166

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.



86.6864, 0.3509, 0.3339



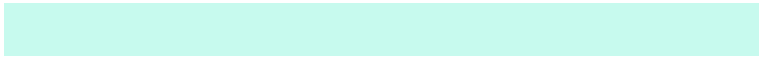
86.6864, 0.2885, 0.3418



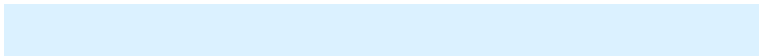
86.6864, 0.3167, 0.3021

Square

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



86.6864, 0.2885, 0.3418



86.6864, 0.2800, 0.2954



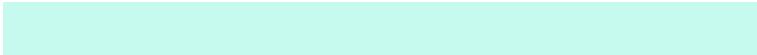
86.6864, 0.3370, 0.3163



86.6864, 0.3460, 0.3630

Rectangle

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



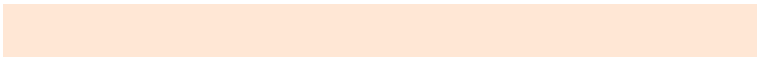
86.6864, 0.2885, 0.3418



86.6864, 0.2727, 0.3102



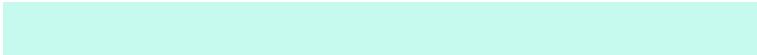
86.6864, 0.3370, 0.3163



86.6864, 0.3544, 0.3457

Sweetspot

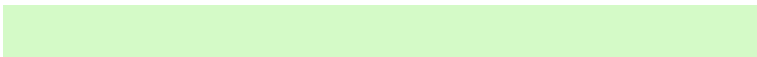
The Sweet Spot groups the original color and five complimentary colors.



86.6900, 0.2885, 0.3418



96.9830, 0.3054, 0.3325



86.4584, 0.3181, 0.3843



20.6910, 0.3046, 0.3329



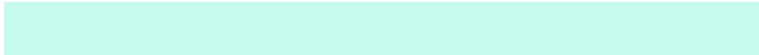
0.0000, 0.0000, 0.0000



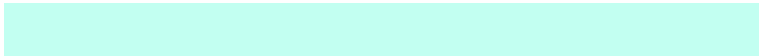
21.4041, 0.3127, 0.3290

Same Dimension

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



86.6900, 0.2885, 0.3418



89.2895, 0.2845, 0.3443



79.7587, 0.2813, 0.3152



19.5346, 0.3012, 0.3346



38.2885, 0.2463, 0.4067



3.5625, 0.2434, 0.3962

Inverse Universe

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



65.8708, 0.3442, 0.3166



64.3188, 0.3513, 0.3143



71.4078, 0.3510, 0.3424



17.2922, 0.3257, 0.3234



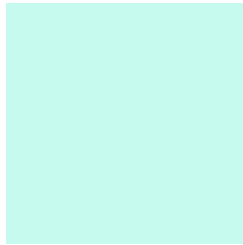
10.9655, 0.5978, 0.3067



1.0313, 0.5651, 0.2886

Previews

White Background



This preview shows how the Yxy color 86.6864, 0.2885, 0.3418 looks on a white background.

Color Contrast Check

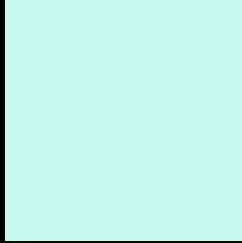
Large Text (above 18pt) WCAG AA × Fail

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 86.6864, 0.2885, 0.3418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

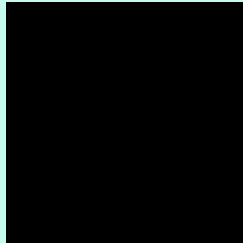
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

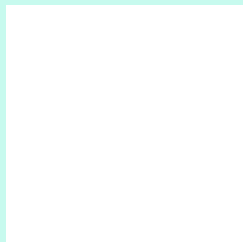
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6864, 0.2885, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 86.6864, 0.2885, 0.3418.

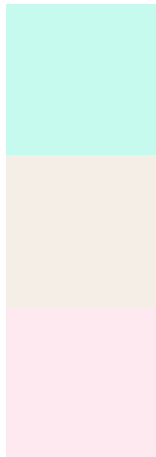


This preview shows how white text looks on a background with the Yxy color 86.6864, 0.2885, 0.3418.

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

86.6864, 0.2885, 0.3418

Protanopia

86.3311, 0.3217, 0.3361

Deuteranopia

85.8887, 0.3226, 0.3212



Tritanopia

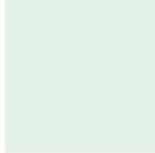
86.3813, 0.2907, 0.3167

Trichromacy



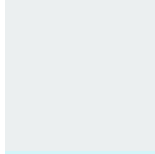
Original Color

86.6864, 0.2885, 0.3418



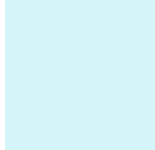
Protanomaly

85.9388, 0.3084, 0.3372



Deuteranomaly

85.6864, 0.3095, 0.3280



Tritanomaly

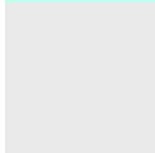
86.7481, 0.2900, 0.3258

Monochromacy



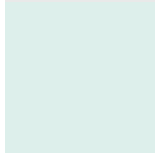
Original Color

86.6864, 0.2885, 0.3418



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.1033, 0.3034, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6864, 0.2885, 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(199, 250, 238)` looks like.

```
.text, #text, p{  
    color:rgb(199, 250, 238)  
}
```

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(199, 250, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 250, 238) }
```

Border

The CSS property to change the border of an element to Yxy 86.6864, 0.2885, 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(199, 250, 238) }
```

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

```
.border{ border-color:rgb(199, 250, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 250, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 250, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 250, 238);  
box-shadow:4px 4px 4px 4px rgb(199, 250,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6864, 0.2885, 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(199, 250, 238) }
```

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

```
.background{ background-color: rgb(199,  
250, 238) }
```

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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