

Converting Colors

Yxy(84.9105, 0.2889, 0.3421)

Have a look what the booklet for
Yxy(84.9105, 0.2889, 0.3421)
contains.

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Color

Yxy(85.1967, 0.2889, 0.3419)

Conversions

Conversions Part 1

Format	Color
Hex	C6F8EC
RGB	198, 248, 236
RGB Percent	78%, 97%, 93%
CMY	0.2236, 0.0274, 0.0745
CMYK	0.20, 0.00, 0.05, 0.03
HSL	166°, 78%, 87%
HSV	166°, 20%, 97%
XYZ	71.9898, 85.1967, 91.9995
YIQ	231.6820, -25.9480, -14.3320

Conversions

Conversions Part 2

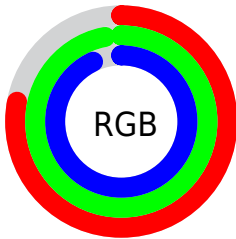
Format	Color
R _Y B	198, 226, 248
Decimal	13039852
CIE Lab	93.97, -18.23, 0.52
CIE LCh	94, 18.235, 178.357
Yxy	85.1967, 0.2889, 0.3419
Android (android.graphics.Color)	4291229932 (0xFFC6F8EC)
YUV	231.6820, 2.1288, -29.5391
Hunter-Lab	92.3021, -22.3098, 5.5158

Details

The Yxy color **85.1967, 0.2889, 0.3419** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.9882, 0.3435, 0.3165**, and the grayscale version is **80.4425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8342, 0.2836, 0.3458** is the 20% darker color. If you saturate the color by 10%, you get **81.7613, 0.2782, 0.3492**, and if you desaturate by 10%, it is **89.2024, 0.3004, 0.3352**.

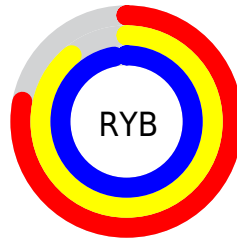
Distribution



Red (78%)

Green (97%)

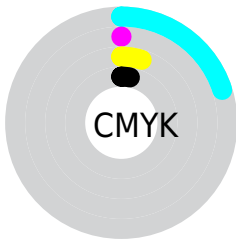
Blue (93%)



Red (78%)

Yellow (89%)

Blue (97%)

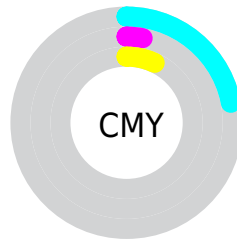


Cyan (20%)

Magenta (0%)

Yellow (5%)

Black (3%)



Cyan (22%)

Magenta (3%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1967, 0.2889, 0.3419 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 85.1967, 0.2889, 0.3419 by changing the saturation by 10% instead.

85.1967, 0.2889,
0.3419

85.1967, 0.2889,
0.3419

512.2787, 0.2996,
0.3361

64.0039, 0.2865,
0.3432

140.6480, 0.2926,
0.3399

46.6539, 0.2836,
0.3448

175.6752, 0.2940,
0.3391

32.7621, 0.2800,
0.3467

216.0828, 0.2952,
0.3385

21.9443, 0.2753,
0.3493

262.2550, 0.2963,
0.3379

13.8159, 0.2692,
0.3527

314.5764, 0.2973,
0.3373

7.9928, 0.2605,
0.3574

373.4311, 0.2982,

4.0903, 0.2477,

0.3369

0.3645

439.2038, 0.2989,
0.3365

1.7242, 0.2265,
0.3762

0.4393, 0.0000,
0.4986

85.1967, 0.2889,
0.3419

85.1967, 0.2889,
0.3419

81.7613, 0.2782,
0.3492

89.2024, 0.3004,
0.3352

78.8589, 0.2686,
0.3571

93.7931, 0.3125,
0.3291

76.4636, 0.2604,
0.3654

95.5494, 0.3137,
0.3234

74.5435, 0.2539,
0.3741

95.6223, 0.3130,
0.3223

■ 73.0629, 0.2493,
0.3831

■ 71.9809, 0.2468,
0.3921

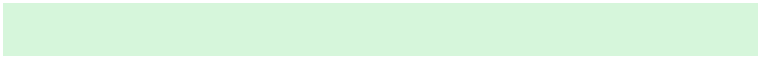
■ 71.2489, 0.2462,
0.4011

■ 70.7918, 0.2472,
0.4099

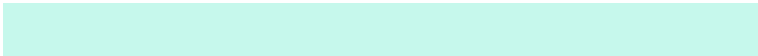
Harmonies

Analogous

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



85.1967, 0.3080, 0.3581



85.1967, 0.2889, 0.3419



85.1967, 0.2763, 0.3224

Triad

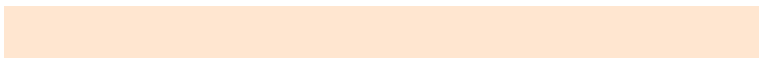
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1967, 0.2889, 0.3419



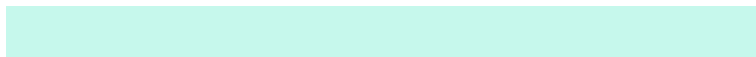
85.1967, 0.2958, 0.2947



85.1967, 0.3539, 0.3506

Complementary

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



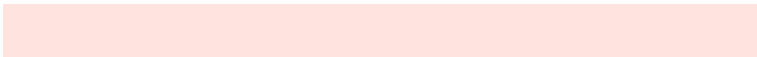
85.1967, 0.2889, 0.3419



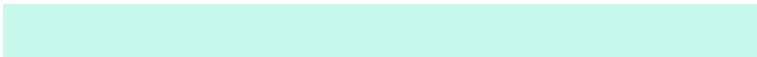
64.9882, 0.3435, 0.3165

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.



85.1967, 0.3505, 0.3337



85.1967, 0.2889, 0.3419



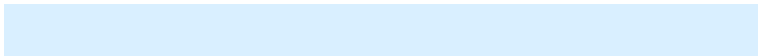
85.1967, 0.3164, 0.3022

Square

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



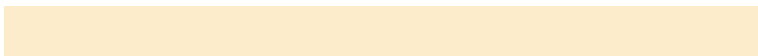
85.1967, 0.2889, 0.3419



85.1967, 0.2802, 0.2957



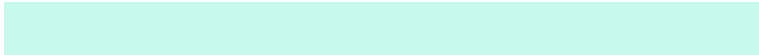
85.1967, 0.3366, 0.3162



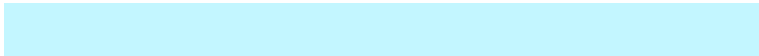
85.1967, 0.3458, 0.3626

Rectangle

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



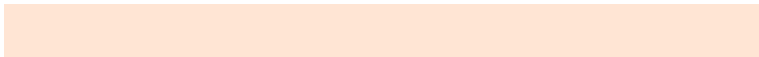
85.1967, 0.2889, 0.3419



85.1967, 0.2731, 0.3105



85.1967, 0.3366, 0.3162



85.1967, 0.3540, 0.3453

Sweetspot

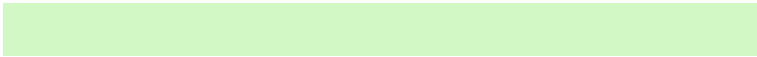
The Sweet Spot groups the original color and five complimentary colors.



85.2002, 0.2889, 0.3419



96.9783, 0.3054, 0.3326



84.9911, 0.3181, 0.3836



20.6899, 0.3046, 0.3330



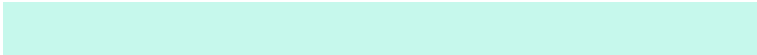
0.0000, 0.0000, 0.0000



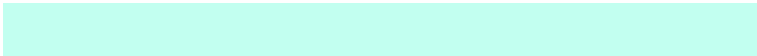
21.4041, 0.3127, 0.3290

Same Dimension

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



85.2002, 0.2889, 0.3419



89.2719, 0.2847, 0.3447



78.4854, 0.2816, 0.3154



19.5331, 0.3012, 0.3348



38.2606, 0.2468, 0.4084



3.5601, 0.2438, 0.3977

Inverse Universe

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



64.9882, 0.3435, 0.3165



64.3334, 0.3511, 0.3140



70.3673, 0.3505, 0.3422



17.2936, 0.3256, 0.3233



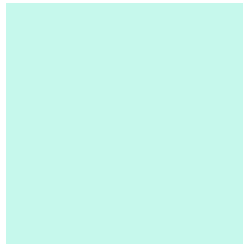
10.9725, 0.5964, 0.3059



1.0321, 0.5635, 0.2878

Previews

White Background



This preview shows how the Yxy color 85.1967, 0.2889, 0.3419 looks on a white background.

Color Contrast Check

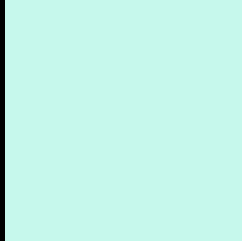
Large Text (above 18pt) WCAG AA × Fail

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 85.1967, 0.2889, 0.3419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

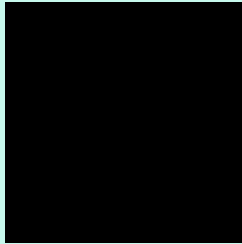
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

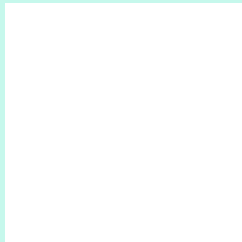
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1967, 0.2889, 0.3419

Background



This preview shows how black text looks on a background with the Yxy color 85.1967, 0.2889, 0.3419.

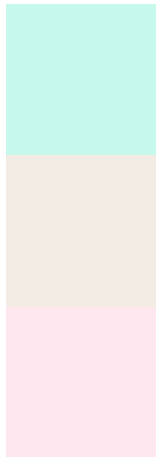


This preview shows how white text looks on a background with the Yxy color 85.1967, 0.2889, 0.3419.

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

85.1967, 0.2889, 0.3419

Protanopia

84.7027, 0.3218, 0.3361

Deuteranopia

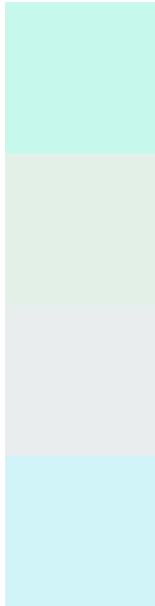
84.6438, 0.3240, 0.3212



Tritanopia

85.1713, 0.2883, 0.3155

Trichromacy



Original Color

85.1967, 0.2889, 0.3419

Protanomaly

84.4773, 0.3091, 0.3373

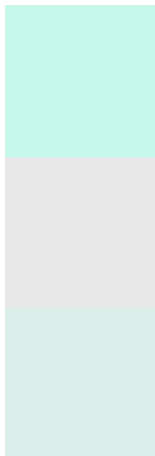
Deuteranomaly

84.2338, 0.3101, 0.3280

Tritanomaly

85.0340, 0.2887, 0.3247

Monochromacy



Original Color

85.1967, 0.2889, 0.3419

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

82.2479, 0.3040, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1967, 0.2889, 0.3419 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(198, 248, 236)` looks like.

```
.text, #text, p{  
    color:rgb(198, 248, 236)  
}
```

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(198, 248, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 248, 236) }
```

Border

The CSS property to change the border of an element to Yxy 85.1967, 0.2889, 0.3419 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(198, 248, 236) }
```

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

```
.border{ border-color:rgb(198, 248, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 248, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 248, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 248, 236);  
box-shadow:4px 4px 4px 4px rgb(198, 248,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1967, 0.2889, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 248, 236) }
```

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

```
.background{ background-color: rgb(198,  
248, 236) }
```

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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