

Converting Colors

$Yxy(88.4709, 0.2883, 0.3446)$

Have a look what the booklet for
Yxy(88.4709, 0.2883, 0.3446)
contains.

Yxy(88.5657, 0.2886, 0.3449)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(88.5657, 0.2886, 0.3449)

Conversions

Conversions Part 1

Format	Color
Hex	C7FDEE
RGB	199, 253, 238
RGB Percent	78%, 99%, 93%
CMY	0.2198, 0.0078, 0.0665
CMYK	0.21, 0.00, 0.06, 0.01
HSL	163°, 93%, 89%
HSV	163°, 21%, 99%
XYZ	74.1086, 88.5657, 94.1123
YIQ	235.1440, -27.3690, -16.1130

Conversions

Conversions Part 2

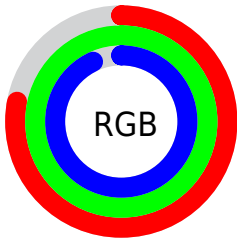
Format	Color
R _Y B	199, 230, 253
Decimal	13106670
CIE Lab	95.40, -19.97, 1.55
CIE LCh	95, 20.027, 175.552
Yxy	88.5657, 0.2886, 0.3449
Android (android.graphics.Color)	4291296750 (0xFFC7FDEE)
YUV	235.1440, 1.4080, -31.6983
Hunter-Lab	94.1094, -24.1274, 6.5847

Details

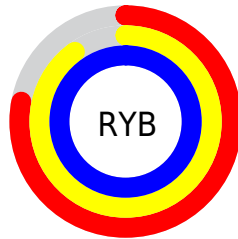
The Yxy color **88.5657, 0.2886, 0.3449** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.5656, 0.3443, 0.3137**, and the grayscale version is **83.1968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7865, 0.2834, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **84.9883, 0.2784, 0.3535**, and if you desaturate by 10%, it is **92.7417, 0.2996, 0.3370**.

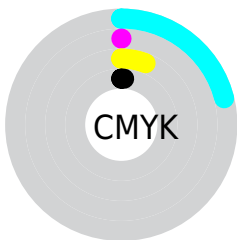
Distribution



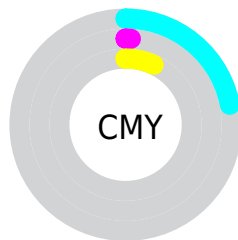
- Red (78%)
- Green (99%)
- Blue (93%)



- Red (78%)
- Yellow (90%)
- Blue (99%)



- Cyan (21%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)





- Cyan (22%)
- Magenta (1%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.5657, 0.2886, 0.3449 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 88.5657, 0.2886, 0.3449 by changing the saturation by 10% instead.


 88.5657, 0.2886,
0.3449

 88.5657, 0.2886,
0.3449


523.3540, 0.2994,
0.3378

 66.7917, 0.2862,
0.3465


145.3445, 0.2923,
0.3425

 48.9153, 0.2833,
0.3484


181.1180, 0.2937,
0.3415

 34.5523, 0.2797,
0.3508


222.3268, 0.2950,
0.3407

 23.3182, 0.2751,
0.3539

269.3553, 0.2961,
0.3399

 14.8287, 0.2690,
0.3581

322.5879, 0.2970,
0.3393

 8.6992, 0.2605,
0.3638

382.4089, 0.2979,

 4.5455, 0.2480,

0.3387

0.3724

449.2028, 0.2987,
0.3382

■ 1.9832, 0.2276,
0.3866

■ 0.5977, 0.0661,
0.4897

■ 88.5657, 0.2886,
0.3449

■ 88.5657, 0.2886,
0.3449

■ 84.9883, 0.2784,
0.3535

■ 92.7417, 0.2996,
0.3370

■ 81.9700, 0.2693,
0.3627

■ 97.5321, 0.3111,
0.3299

■ 79.4834, 0.2617,
0.3725

■ 98.7365, 0.3128,
0.3271

■ 77.4943, 0.2557,
0.3827

■ 75.9648, 0.2516,
0.3932

■ 74.8510, 0.2496,
0.4038

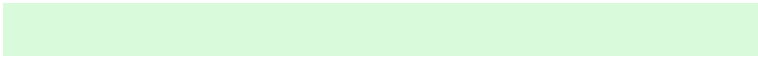
■ 74.1002, 0.2496,
0.4143

■ 73.6739, 0.2509,
0.4233

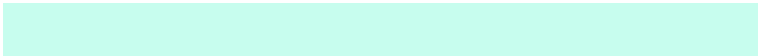
Harmonies

Analogous

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



88.5657, 0.3097, 0.3619



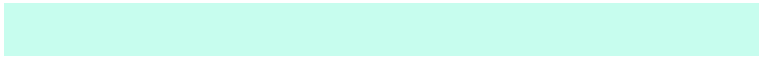
88.5657, 0.2886, 0.3449



88.5657, 0.2742, 0.3237

Triad

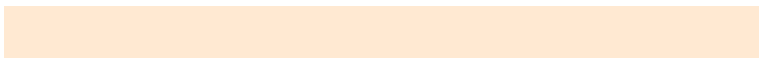
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5657, 0.2886, 0.3449



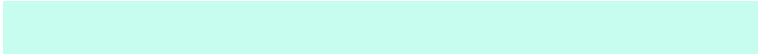
88.5657, 0.2924, 0.2917



88.5657, 0.3576, 0.3508

Complementary

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



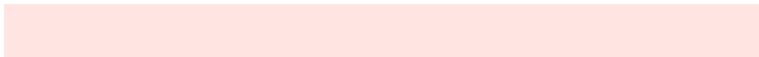
88.5657, 0.2886, 0.3449



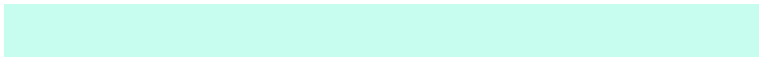
66.5656, 0.3443, 0.3137

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.



88.5657, 0.3527, 0.3322



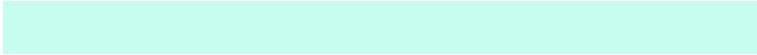
88.5657, 0.2886, 0.3449



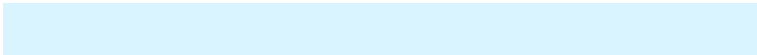
88.5657, 0.3145, 0.2990

Square

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



88.5657, 0.2886, 0.3449



88.5657, 0.2763, 0.2936



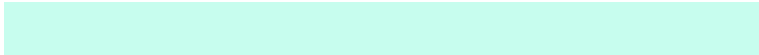
88.5657, 0.3367, 0.3135



88.5657, 0.3499, 0.3646

Rectangle

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



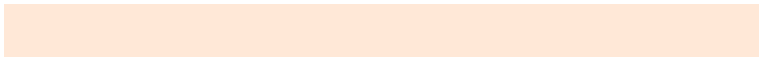
88.5657, 0.2886, 0.3449



88.5657, 0.2701, 0.3105



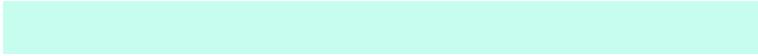
88.5657, 0.3367, 0.3135



88.5657, 0.3574, 0.3449

Sweetspot

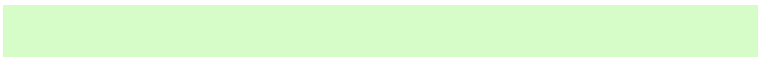
The Sweet Spot groups the original color and five complimentary colors.



88.5694, 0.2886, 0.3449



96.9430, 0.3057, 0.3331



88.7161, 0.3195, 0.3870



20.6816, 0.3050, 0.3336



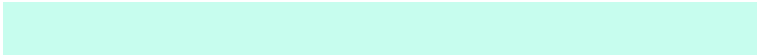
0.0000, 0.0000, 0.0000



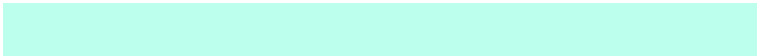
21.4041, 0.3127, 0.3290

Same Dimension

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



88.5694, 0.2886, 0.3449



88.3942, 0.2837, 0.3488



82.3175, 0.2799, 0.3165



20.3906, 0.3017, 0.3357



39.2145, 0.2505, 0.4216



3.8367, 0.2471, 0.4097

Inverse Universe

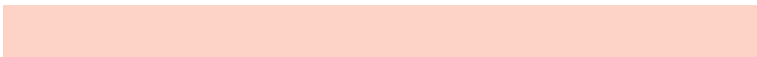
The Inverse Universe completely reimagines the original color for something new.



66.5656, 0.3443, 0.3137



62.0340, 0.3532, 0.3102



71.4325, 0.3536, 0.3412



18.0697, 0.3251, 0.3224



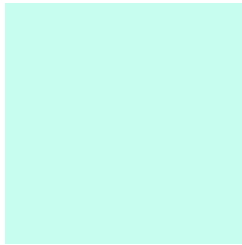
11.3654, 0.5849, 0.2995



1.1242, 0.5529, 0.2820

Previews

White Background



This preview shows how the Yxy color 88.5657, 0.2886, 0.3449 looks on a white background.

Color Contrast Check

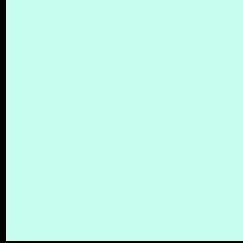
Large Text (above 18pt) WCAG AA × Fail

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 88.5657, 0.2886, 0.3449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

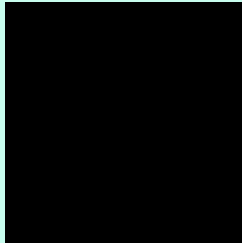
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

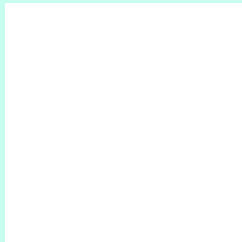
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.5657, 0.2886, 0.3449

Background



This preview shows how black text looks on a background with the Yxy color 88.5657, 0.2886, 0.3449.

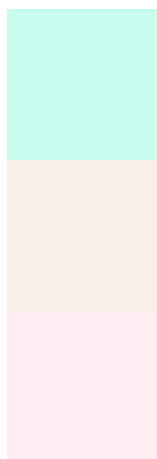


This preview shows how white text looks on a background with the Yxy color 88.5657, 0.2886, 0.3449.

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

88.5657, 0.2886, 0.3449

Protanopia

88.0462, 0.3236, 0.3380

Deuteranopia

88.2392, 0.3216, 0.3242



Tritanopia

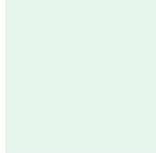
88.3721, 0.2938, 0.3188

Trichromacy



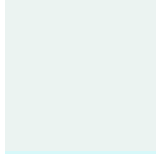
Original Color

88.5657, 0.2886, 0.3449



Protanomaly

88.0683, 0.3096, 0.3403



Deuteranomaly

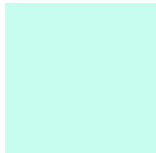
88.1142, 0.3088, 0.3310



Tritanomaly

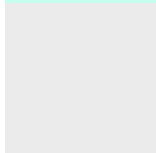
88.4214, 0.2918, 0.3279

Monochromacy



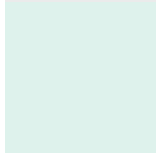
Original Color

88.5657, 0.2886, 0.3449



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

85.0900, 0.3034, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.5657, 0.2886, 0.3449 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, 253, 238)` looks like.

```
.text, #text, p{  
    color:rgb(199, 253, 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, 253, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 253, 238) }
```

Border

The CSS property to change the border of an element to Yxy 88.5657, 0.2886, 0.3449 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, 253, 238) }
```

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

```
.border{ border-color:rgb(199, 253, 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, 253, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 253, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 253, 238);  
box-shadow:4px 4px 4px 4px rgb(199, 253,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 88.5657, 0.2886, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 253, 238) }
```

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

```
.background{ background-color: rgb(199,  
253, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor