

Converting Colors

$Yxy(85.0923, 0.2888, 0.3702)$

Have a look what the booklet for
Yxy(85.0923, 0.2888, 0.3702)
contains.

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Color

Yxy(84.8440, 0.2885, 0.3695)

Conversions

Conversions Part 1

Format	Color
Hex	B3FDD9
RGB	179, 253, 217
RGB Percent	70%, 99%, 85%
CMY	0.2979, 0.0078, 0.1490
CMYK	0.29, 0.00, 0.14, 0.01
HSL	151°, 95%, 85%
HSV	151°, 29%, 99%
XYZ	66.2449, 84.8440, 78.5295
YIQ	226.7700, -32.5480, -26.8840

Conversions

Conversions Part 2

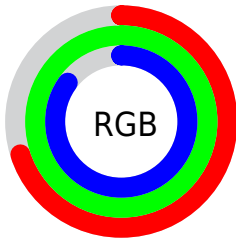
Format	Color
RYB	179, 228, 253
Decimal	11795929
CIELab	93.82, -30.03, 9.98
CIELCh	94, 31.648, 161.619
Yxy	84.8440, 0.2885, 0.3695
Android (android.graphics.Color)	4289986009 (0xFFB3FDD9)
YUV	226.7700, -4.8166, -41.8943
Hunter-Lab	92.1108, -32.8190, 13.9296

Details

The Yxy color **84.8440, 0.2885, 0.3695** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.0433, 0.3465, 0.2919**, and the grayscale version is **76.6998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **46.3736, 0.2828, 0.3793** is the 20% darker color. If you saturate the color by 10%, you get **81.4867, 0.2814, 0.3861**, and if you desaturate by 10%, it is **88.8092, 0.2964, 0.3542**.

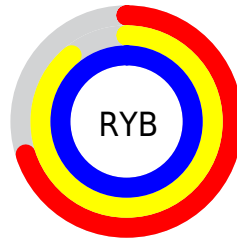
Distribution



Red (70%)

Green (99%)

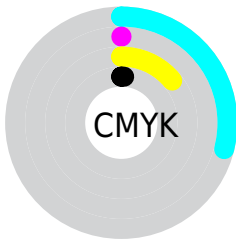
Blue (85%)



Red (70%)

Yellow (89%)

Blue (99%)

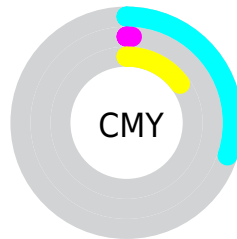


Cyan (29%)

Magenta (0%)

Yellow (14%)

Black (1%)



Cyan (30%)


Magenta (1%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8440, 0.2885, 0.3695 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 84.8440, 0.2885, 0.3695 by changing the saturation by 10% instead.


 84.8440, 0.2885,
0.3695

 84.8440, 0.2885,
0.3695


511.1117, 0.2997,
0.3507

 63.7125, 0.2860,
0.3738


 140.1552, 0.2924,
0.3630

 46.4178, 0.2828,
0.3791


175.1037, 0.2939,
0.3604

 32.5757, 0.2789,
0.3859


215.4266, 0.2952,
0.3582

 21.8016, 0.2737,
0.3948

261.5084, 0.2963,
0.3563

 13.7112, 0.2667,
0.4069

313.7334, 0.2973,
0.3547

 7.9201, 0.2567,
0.4244

372.4860, 0.2982,

 4.0438, 0.2411,

0.3532

438.1507, 0.2990,
0.3519

0.4518

1.6981, 0.2128,
0.5015

0.4224, 0.0000,
1.0000

84.8440, 0.2885,
0.3695

84.8440, 0.2885,
0.3695

81.4867, 0.2814,
0.3861

88.8092, 0.2964,
0.3542

78.6954, 0.2754,
0.4040

93.4007, 0.3048,
0.3405

76.4394, 0.2709,
0.4228

98.6492, 0.3134,
0.3281

74.6806, 0.2681,
0.4421

98.7303, 0.3128,
0.3271

■ 73.3757, 0.2674,
0.4614

■ 72.4733, 0.2687,
0.4802

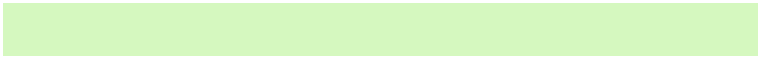
■ 71.8962, 0.2718,
0.4981

■ 71.8584, 0.2721,
0.4994

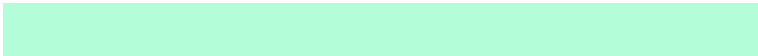
Harmonies

Analogous

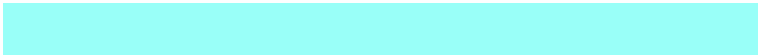
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8440, 0.3241, 0.3908



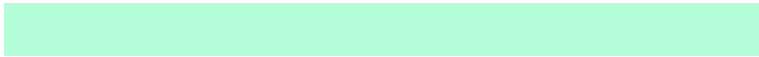
84.8440, 0.2885, 0.3695



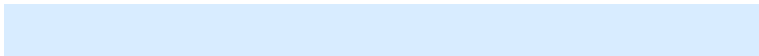
84.8440, 0.2605, 0.3358

Triad

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



84.8440, 0.2885, 0.3695



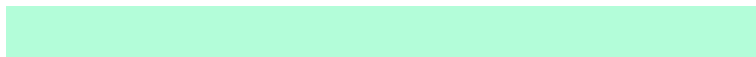
84.8440, 0.2670, 0.2699



84.8440, 0.3840, 0.3490

Complementary

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



84.8440, 0.2885, 0.3695



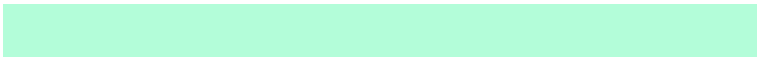
58.0433, 0.3465, 0.2919

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.



84.8440, 0.3671, 0.3193



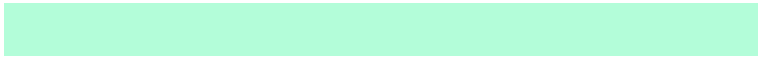
84.8440, 0.2885, 0.3695



84.8440, 0.2981, 0.2753

Square

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



84.8440, 0.2885, 0.3695



84.8440, 0.2487, 0.2789



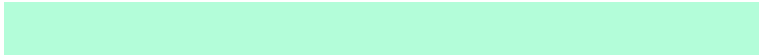
84.8440, 0.3349, 0.2930



84.8440, 0.3803, 0.3759

Rectangle

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



84.8440, 0.2885, 0.3695



84.8440, 0.2493, 0.3127



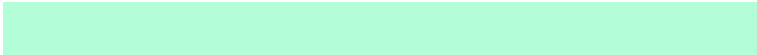
84.8440, 0.3349, 0.2930



84.8440, 0.3805, 0.3391

Sweetspot

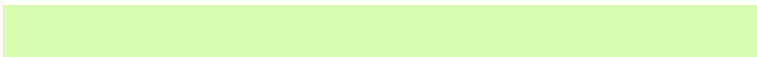
The Sweet Spot groups the original color and five complimentary colors.



84.8475, 0.2885, 0.3695



95.2055, 0.3050, 0.3401



88.1075, 0.3321, 0.4087



20.2230, 0.3037, 0.3421



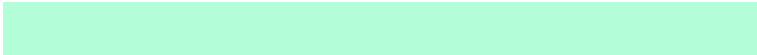
0.0000, 0.0000, 0.0000



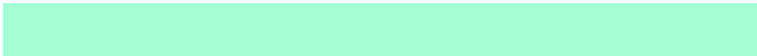
21.4041, 0.3127, 0.3290

Same Dimension

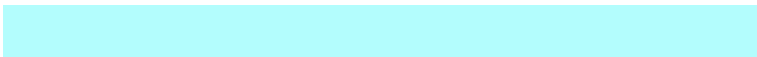
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8475, 0.2885, 0.3695



84.3314, 0.2843, 0.3790



86.9296, 0.2703, 0.3289



20.3239, 0.3045, 0.3408



38.2558, 0.2713, 0.4966



3.7469, 0.2656, 0.4762

Inverse Universe

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



58.0433, 0.3465, 0.2919



53.0543, 0.3556, 0.2843



56.3913, 0.3781, 0.3292



18.1344, 0.3217, 0.3175



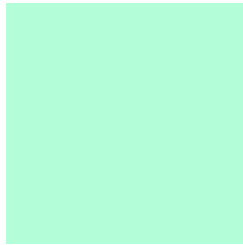
11.9005, 0.5021, 0.2540



1.1807, 0.4759, 0.2395

Previews

White Background



This preview shows how the Yxy color 84.8440, 0.2885, 0.3695 looks on a white background.

Color Contrast Check

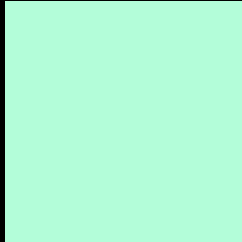
Large Text (above 18pt) WCAG AA × Fail

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 84.8440, 0.2885, 0.3695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

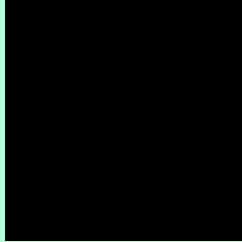
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.8440, 0.2885, 0.3695

Background



This preview shows how black text looks on a background with the Yxy color 84.8440, 0.2885, 0.3695.

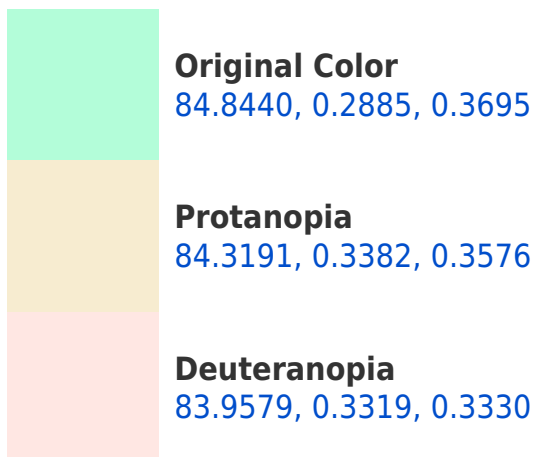


This preview shows how white text looks on a background with the Yxy color 84.8440, 0.2885, 0.3695.

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

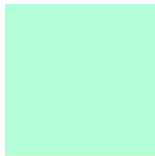




Tritanopia

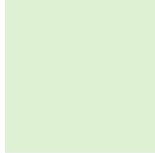
84.2796, 0.2847, 0.3154

Trichromacy



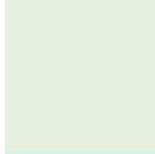
Original Color

84.8440, 0.2885, 0.3695



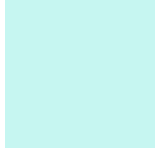
Protanomaly

83.7370, 0.3184, 0.3621



Deuteranomaly

83.3916, 0.3146, 0.3458



Tritanomaly

84.2682, 0.2861, 0.3343

Monochromacy



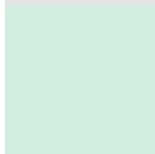
Original Color

84.8440, 0.2885, 0.3695



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.0203, 0.3035, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8440, 0.2885, 0.3695 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(179, 253, 217)` looks like.

```
.text, #text, p{  
    color:rgb(179, 253, 217)  
}
```

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(179, 253, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 253, 217) }
```

Border

The CSS property to change the border of an element to Yxy 84.8440, 0.2885, 0.3695 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(179, 253, 217) }
```

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

```
.border{ border-color:rgb(179, 253, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 253, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 253, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 253, 217);  
box-shadow:4px 4px 4px 4px rgb(179, 253,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8440, 0.2885, 0.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 253, 217) }
```

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

```
.background{ background-color: rgb(179,  
253, 217) }
```

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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