

Converting Colors

Yxy(85.8162, 0.2869, 0.3713)

Have a look what the booklet for
Yxy(85.8162, 0.2869, 0.3713)
contains.

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Color

Yxy(85.7599, 0.2870, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	B0FFD9
RGB	176, 255, 217
RGB Percent	69%, 100%, 85%
CMY	0.3095, 0.0000, 0.1491
CMYK	0.31, 0.00, 0.15, 0.00
HSL	151°, 100%, 85%
HSV	151°, 31%, 100%
XYZ	66.1998, 85.7599, 78.7017
YIQ	227.0470, -34.8860, -28.5660

Conversions

Conversions Part 2

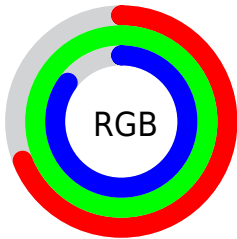
Format	Color
RYB	176, 228, 255
Decimal	11599833
CIELab	94.21, -31.83, 10.53
CIElCh	94, 33.527, 161.700
Yxy	85.7599, 0.2870, 0.3718
Android (android.graphics.Color)	4289789913 (0xFFB0FFD9)
YUV	227.0470, -4.9532, -44.7682
Hunter-Lab	92.6066, -34.4610, 14.4371

Details

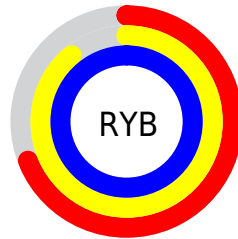
The Yxy color **85.7599, 0.2870, 0.3718** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.1976, 0.3495, 0.2900**, and the grayscale version is **76.9200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **47.0617, 0.2811, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **82.4480, 0.2800, 0.3885**, and if you desaturate by 10%, it is **89.6848, 0.2948, 0.3565**.

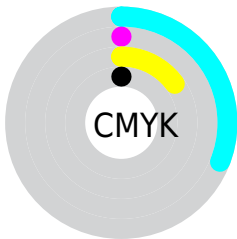
Distribution



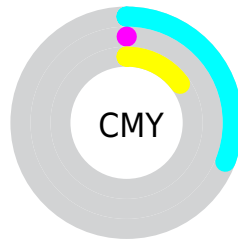
- Red (69%)
- Green (100%)
- Blue (85%)



- Red (69%)
- Yellow (89%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7599, 0.2870, 0.3718 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 85.7599, 0.2870, 0.3718 by changing the saturation by 10% instead.


 85.7599, 0.2870,
0.3718

 85.7599, 0.2870,
0.3718

514.1392, 0.2988,
0.3519

 64.4695, 0.2843,
0.3763


 141.4344, 0.2911,
0.3649

 47.0310, 0.2810,
0.3820


176.5872, 0.2927,
0.3622

 33.0602, 0.2768,
0.3891


217.1296, 0.2941,
0.3599

 22.1725, 0.2713,
0.3984

263.4460, 0.2953,
0.3579

 13.9837, 0.2639,
0.4112

315.9208, 0.2963,
0.3561

 8.1094, 0.2534,
0.4296


374.9383, 0.2973,


 4.1650, 0.2370,


0.3546

0.4584


440.8829, 0.2981,
0.3532


 1.7663, 0.2075,
0.5103


 0.4660, 0.0000,
1.0000


 85.7599, 0.2870,
0.3718


 85.7599, 0.2870,
0.3718


 82.4480, 0.2800,
0.3885

 89.6848, 0.2948,
0.3565

 79.7060, 0.2742,
0.4063

 94.2419, 0.3032,
0.3426

 77.5022, 0.2699,
0.4250

 99.4626, 0.3119,
0.3301

 75.7968, 0.2675,
0.4442

 99.9954, 0.3127,
0.3290

■ 74.5445, 0.2670,
0.4633

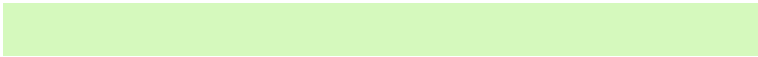
■ 73.6912, 0.2687,
0.4818

■ 73.1868, 0.2716,
0.4977

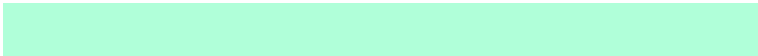
Harmonies

Analogous

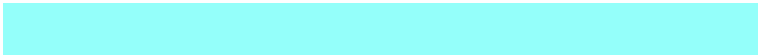
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7599, 0.3245, 0.3944



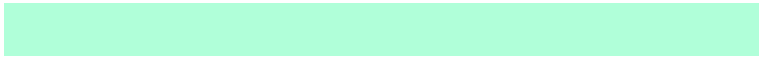
85.7599, 0.2870, 0.3718



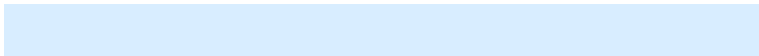
85.7599, 0.2576, 0.3359

Triad

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



85.7599, 0.2870, 0.3718



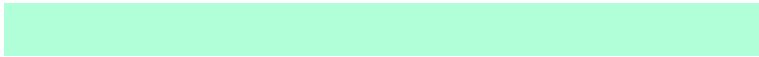
85.7599, 0.2646, 0.2668



85.7599, 0.3880, 0.3500

Complementary

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



85.7599, 0.2870, 0.3718



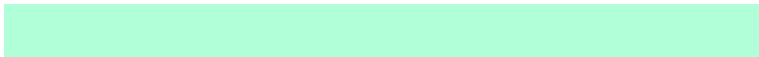
57.1976, 0.3495, 0.2900

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.



85.7599, 0.3702, 0.3187



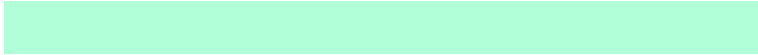
85.7599, 0.2870, 0.3718



85.7599, 0.2973, 0.2725

Square

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



85.7599, 0.2870, 0.3718



85.7599, 0.2454, 0.2761



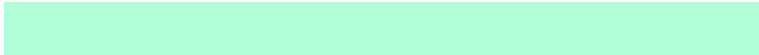
85.7599, 0.3362, 0.2912



85.7599, 0.3840, 0.3783

Rectangle

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



85.7599, 0.2870, 0.3718



85.7599, 0.2459, 0.3115



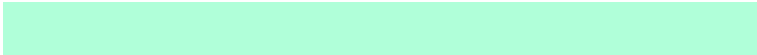
85.7599, 0.3362, 0.2912



85.7599, 0.3844, 0.3395

Sweetspot

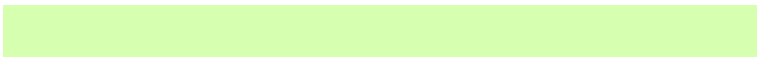
The Sweet Spot groups the original color and five complimentary colors.



85.7634, 0.2870, 0.3718



95.2127, 0.3049, 0.3400



88.9820, 0.3322, 0.4141



20.2248, 0.3036, 0.3419



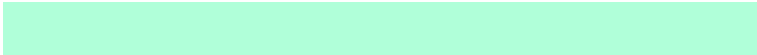
0.0000, 0.0000, 0.0000



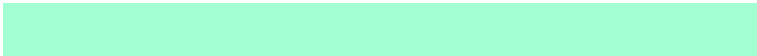
21.4041, 0.3127, 0.3290

Same Dimension

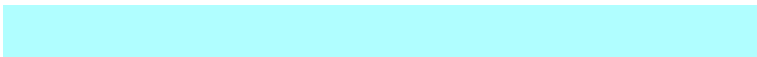
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7634, 0.2870, 0.3718



83.6923, 0.2826, 0.3817



87.1374, 0.2680, 0.3274



20.3255, 0.3045, 0.3407



38.2745, 0.2708, 0.4948



3.7488, 0.2652, 0.4746

Inverse Universe

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



57.1976, 0.3495, 0.2900



51.0879, 0.3594, 0.2822



55.9948, 0.3831, 0.3306



18.1328, 0.3218, 0.3176



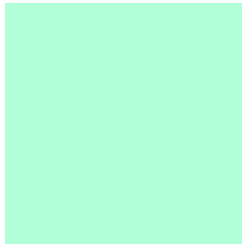
11.8832, 0.5043, 0.2552



1.1790, 0.4778, 0.2406

Previews

White Background



This preview shows how the Yxy color 85.7599, 0.2870, 0.3718 looks on a white background.

Color Contrast Check

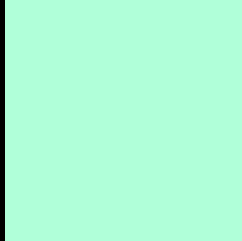
Large Text (above 18pt) WCAG AA × Fail

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 85.7599, 0.2870, 0.3718 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

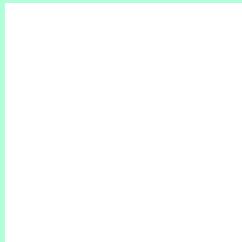
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.7599, 0.2870, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 85.7599, 0.2870, 0.3718.

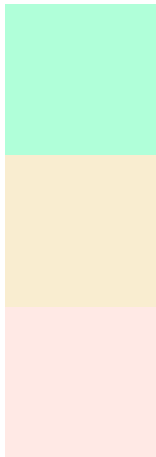


This preview shows how white text looks on a background with the Yxy color 85.7599, 0.2870, 0.3718.

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

85.7599, 0.2870, 0.3718

Protanopia

85.2622, 0.3394, 0.3584

Deuteranopia

85.1950, 0.3304, 0.3330



Tritanopia

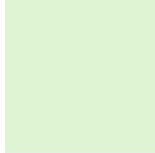
85.1701, 0.2860, 0.3165

Trichromacy



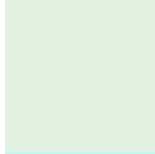
Original Color

85.7599, 0.2870, 0.3718



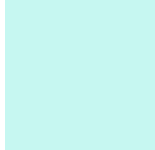
Protanomaly

84.9341, 0.3182, 0.3641



Deuteranomaly

84.5156, 0.3126, 0.3457



Tritanomaly

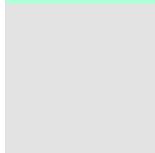
84.8782, 0.2862, 0.3354

Monochromacy



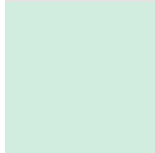
Original Color

85.7599, 0.2870, 0.3718



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.3060, 0.3022, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7599, 0.2870, 0.3718 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(176, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 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(176, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 85.7599, 0.2870, 0.3718 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(176, 255, 217) }
```

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

```
.border{ border-color:rgb(176, 255, 217) }
```

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

Here you see how a box with a 4 pixel rgb(176, 255, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7599, 0.2870, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 217) }
```

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

```
.background{ background-color: rgb(176,  
255, 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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