

Converting Colors

$Yxy(85.8823, 0.2605, 0.3310)$

Have a look what the booklet for
Yxy(85.8823, 0.2605, 0.3310)
contains.

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Color

Yxy(85.8809, 0.2605, 0.3311)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 9EFFFF |
| RGB | 158, 255, 253 |
| RGB Percent | 62%, 100%, 99% |
| CMY | 0.3809, 0.0000, 0.0079 |
| CMYK | 0.38, 0.00, 0.01, 0.00 |
| HSL | 179°, 100%, 81% |
| HSV | 179°, 38%, 100% |
| XYZ | 67.5686, 85.8809, 105.9310 |
| YIQ | 225.7690, -57.1700, -21.1860 |

Conversions

Conversions Part 2

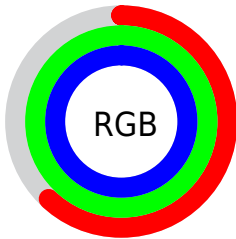
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 158, 207, 255 |
| Decimal | 10420221 |
| CIELab | 94.26, -29.02, -8.07 |
| CIElCh | 94, 30.122, 195.540 |
| Yxy | 85.8809, 0.2605, 0.3311 |
| Android (android.graphics.Color) | 4288610301 (0xFF9EFFF0) |
| YUV | 225.7690, 13.4249, -59.4334 |
| Hunter-Lab | 92.6719, -32.0286, -2.9026 |

Details

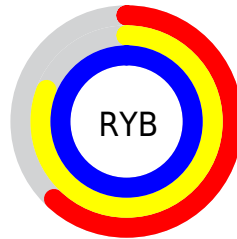
The Yxy color **85.8809, 0.2605, 0.3311** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.2035, 0.4057, 0.3272**, and the grayscale version is **75.7787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **47.0830, 0.2495, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **83.5128, 0.2501, 0.3317**, and if you desaturate by 10%, it is **88.7575, 0.2725, 0.3305**.

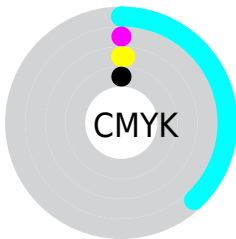
Distribution



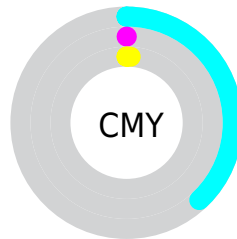
- Red (62%)
- Green (100%)
- Blue (99%)



- Red (62%)
- Yellow (81%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8809, 0.2605, 0.3311 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 85.8809, 0.2605, 0.3311 by changing the saturation by 10% instead.


 85.8809, 0.2605,
0.3311

 85.8809, 0.2605,
0.3311


514.5384, 0.2836,
0.3306

 64.5695, 0.2555,
0.3311


 141.6033, 0.2683,
0.3310

 47.1121, 0.2494,
0.3311


 176.7830, 0.2714,
0.3310

 33.1243, 0.2419,
0.3310


217.3544, 0.2741,
0.3309

 22.2217, 0.2323,
0.3307


263.7017, 0.2765,
0.3308

 14.0199, 0.2199,
0.3302

316.2093, 0.2785,
0.3308

 8.1345, 0.2031,
0.3290


375.2617, 0.2804,


 4.1811, 0.1792,


0.3307


441.2433, 0.2821,
0.3307


0.3264


 1.7754, 0.1429,
0.3203


 0.4718, 0.0000,
0.3036


 85.8809, 0.2605,
0.3311


 85.8809, 0.2605,
0.3311


 83.5128, 0.2501,
0.3317


 88.7575, 0.2725,
0.3305

 81.6615, 0.2416,
0.3324

 92.2149, 0.2859,
0.3299

 80.2760, 0.2351,
0.3330

 96.2676, 0.3004,
0.3294

 79.3140, 0.2305,
0.3337

100.0000, 0.3127,
0.3290

■ 78.7253, 0.2277,
0.3344

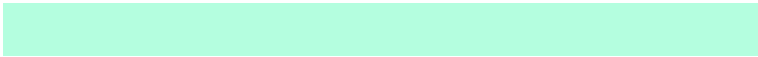
■ 78.4419, 0.2266,
0.3350

■ 78.4042, 0.2264,
0.3352

Harmonies

Analogous

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



85.8809, 0.2858, 0.3636



85.8809, 0.2605, 0.3311



85.8809, 0.2490, 0.3002

Triad

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



85.8809, 0.2605, 0.3311



85.8809, 0.3033, 0.2795



85.8809, 0.3750, 0.3764

Complementary

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



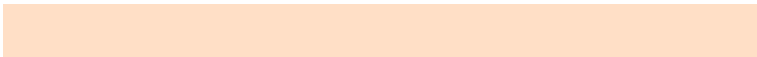
85.8809, 0.2605, 0.3311



48.2035, 0.4057, 0.3272

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.



85.8809, 0.3809, 0.3518



85.8809, 0.2605, 0.3311



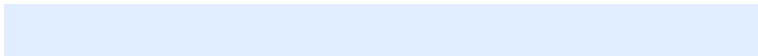
85.8809, 0.3383, 0.2976

Square

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



85.8809, 0.2605, 0.3311



85.8809, 0.2726, 0.2727



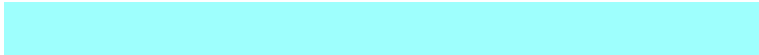
85.8809, 0.3673, 0.3235



85.8809, 0.3520, 0.3898

Rectangle

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



85.8809, 0.2605, 0.3311



85.8809, 0.2501, 0.2850



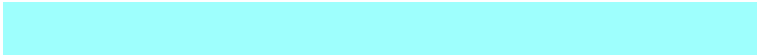
85.8809, 0.3673, 0.3235



85.8809, 0.3791, 0.3690

Sweetspot

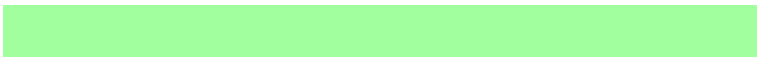
The Sweet Spot groups the original color and five complimentary colors.



85.8669, 0.2605, 0.3311



95.0254, 0.2961, 0.3295



81.5724, 0.3091, 0.4451



20.2193, 0.2941, 0.3296



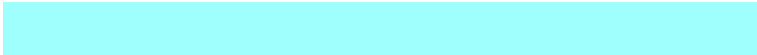
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

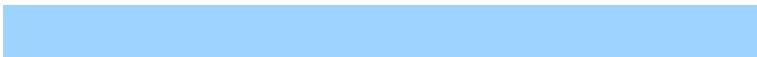
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8669, 0.2605, 0.3311



83.9621, 0.2522, 0.3316



60.4077, 0.2517, 0.2760



20.4746, 0.2983, 0.3295



40.9708, 0.2264, 0.3351



3.9912, 0.2262, 0.3343

Inverse Universe

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



48.2035, 0.4057, 0.3272



41.2483, 0.4360, 0.3268



66.5294, 0.3891, 0.3762



17.9932, 0.3291, 0.3286



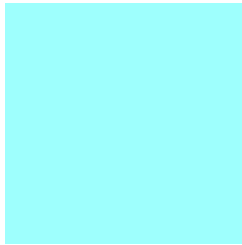
11.1175, 0.6380, 0.3288



1.0845, 0.6330, 0.3261

Previews

White Background



This preview shows how the Yxy color 85.8809, 0.2605, 0.3311 looks on a white background.

Color Contrast Check

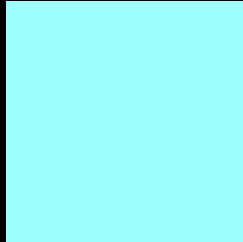
Large Text (above 18pt) WCAG AA × Fail

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 85.8809, 0.2605, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

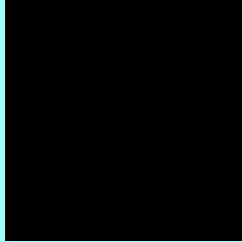
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.8809, 0.2605, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 85.8809, 0.2605, 0.3311.

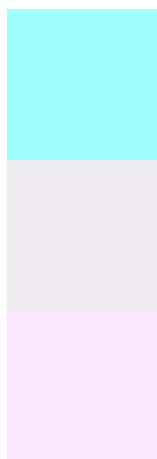


This preview shows how white text looks on a background with the Yxy color 85.8809, 0.2605, 0.3311.

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

85.8809, 0.2605, 0.3311

Protanopia

84.9270, 0.3117, 0.3230

Deuteranopia

85.0730, 0.3098, 0.3065



Tritanopia

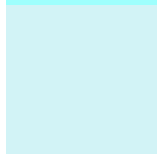
85.5040, 0.2826, 0.3185

Trichromacy



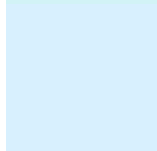
Original Color

85.8809, 0.2605, 0.3311



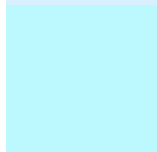
Protanomaly

84.4566, 0.2903, 0.3258



Deuteranomaly

84.0749, 0.2894, 0.3145



Tritanomaly

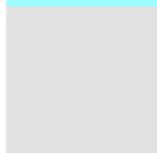
85.5985, 0.2740, 0.3235

Monochromacy



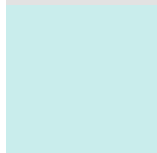
Original Color

85.8809, 0.2605, 0.3311



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.0420, 0.2902, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8809, 0.2605, 0.3311 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(158, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 253)  
}
```

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(158, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 253) }
```

Border

The CSS property to change the border of an element to Yxy 85.8809, 0.2605, 0.3311 is called "border". The border property can be set on classes, ids or directly on the HTML element.

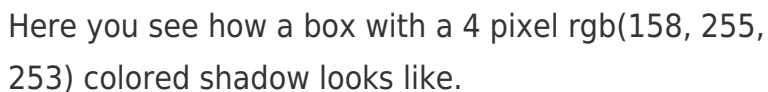
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 255, 253) }
```

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

```
.border{ border-color:rgb(158, 255, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 255, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 255, 253); box-shadow:4px 4px 4px 4px rgb(158, 255, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8809, 0.2605, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 253) }
```

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

```
.background{ background-color: rgb(158,  
255, 253) }
```

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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