

Converting Colors

$Yxy(84.5739, 0.2855, 0.3789)$

Have a look what the booklet for
Yxy(84.5739, 0.2855, 0.3789)
contains.

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Color

Yxy(84.5480, 0.2857, 0.3795)

Conversions

Conversions Part 1

Format	Color
Hex	A8FFD3
RGB	168, 255, 211
RGB Percent	66%, 100%, 83%
CMY	0.3415, 0.0000, 0.1726
CMYK	0.34, 0.00, 0.17, 0.00
HSL	150°, 100%, 83%
HSV	150°, 34%, 100%
XYZ	63.6505, 84.5480, 74.5894
YIQ	223.9710, -37.7280, -32.1280

Conversions

Conversions Part 2

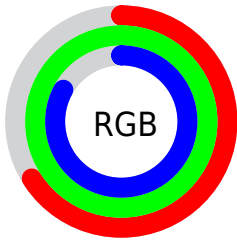
Format	Color
RYB	168, 226, 255
Decimal	11075539
CIELab	93.69, -35.35, 12.81
CIELCh	94, 37.597, 160.078
Yxy	84.5480, 0.2857, 0.3795
Android (android.graphics.Color)	4289265619 (0xFFA8FFD3)
YUV	223.9710, -6.3947, -49.0866
Hunter-Lab	91.9500, -37.3495, 16.2692

Details

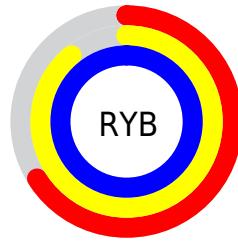
The Yxy color **84.5480, 0.2857, 0.3795** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.9791, 0.3528, 0.2838**, and the grayscale version is **74.5639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **46.2992, 0.2798, 0.3925** is the 20% darker color. If you saturate the color by 10%, you get **81.3892, 0.2793, 0.3975**, and if you desaturate by 10%, it is **88.2861, 0.2930, 0.3629**.

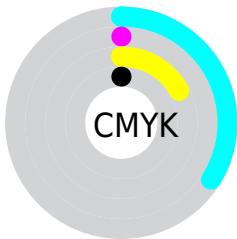
Distribution



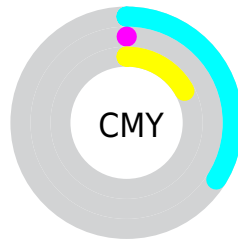
- Red (66%)
- Green (100%)
- Blue (83%)



- Red (66%)
- Yellow (89%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5480, 0.2857, 0.3795 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 84.5480, 0.2857, 0.3795 by changing the saturation by 10% instead.


 84.5480, 0.2857,
0.3795

 84.5480, 0.2857,
0.3795


510.1312, 0.2983,
0.3559

 63.4680, 0.2828,
0.3850


 139.7415, 0.2901,
0.3713

 46.2199, 0.2792,
0.3917


174.6237, 0.2918,
0.3681

 32.4194, 0.2747,
0.4003


214.8755, 0.2932,
0.3653

 21.6820, 0.2688,
0.4117

260.8812, 0.2945,
0.3629

 13.6234, 0.2606,
0.4272

313.0253, 0.2956,
0.3609

 7.8592, 0.2489,
0.4498


371.6920, 0.2966,


 4.0050, 0.2305,


0.3590


0.4856


437.2659, 0.2975,
0.3574


 1.6764, 0.1920,
0.5573


 0.4083, 0.0000,
1.0000


 84.5480, 0.2857,
0.3795

 84.5480, 0.2857,
0.3795

 81.3892, 0.2793,
0.3975


 88.2861, 0.2930,
0.3629

 78.8079, 0.2742,
0.4166

 92.6660, 0.3010,
0.3478

 76.7567, 0.2706,
0.4365

 97.7057, 0.3092,
0.3342

 75.1943, 0.2690,
0.4566

100.0000, 0.3127,
0.3290

■ 74.0727, 0.2694,
0.4764

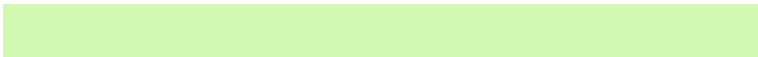
■ 73.3335, 0.2718,
0.4953

■ 73.0307, 0.2738,
0.5058

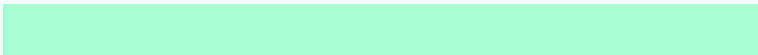
Harmonies

Analogous

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



84.5480, 0.3279, 0.4040



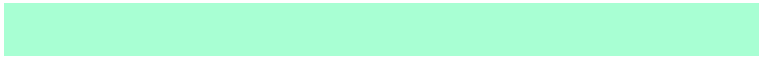
84.5480, 0.2857, 0.3795



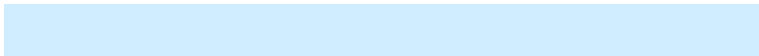
84.5480, 0.2522, 0.3389

Triad

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



84.5480, 0.2857, 0.3795



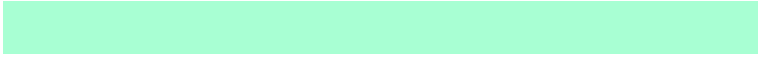
84.5480, 0.2572, 0.2596



84.5480, 0.3972, 0.3501

Complementary

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



84.5480, 0.2857, 0.3795



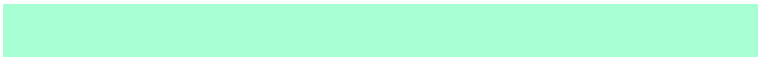
53.9791, 0.3528, 0.2838

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.



84.5480, 0.3758, 0.3154



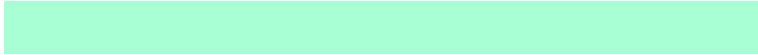
84.5480, 0.2857, 0.3795



84.5480, 0.2929, 0.2653

Square

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



84.5480, 0.2857, 0.3795



84.5480, 0.2368, 0.2706



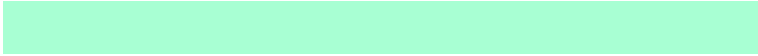
84.5480, 0.3366, 0.2853



84.5480, 0.3938, 0.3824

Rectangle

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



84.5480, 0.2857, 0.3795



84.5480, 0.2387, 0.3110



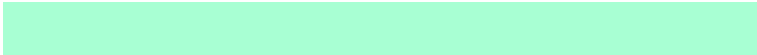
84.5480, 0.3366, 0.2853



84.5480, 0.3927, 0.3384

Sweetspot

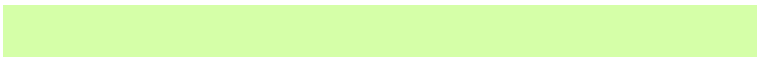
The Sweet Spot groups the original color and five complimentary colors.



84.5374, 0.2857, 0.3795



94.6782, 0.3044, 0.3419



88.4754, 0.3359, 0.4232



20.1166, 0.3032, 0.3439



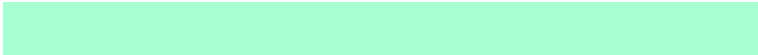
0.0000, 0.0000, 0.0000



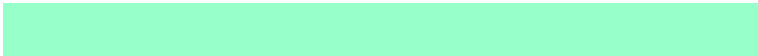
21.4041, 0.3127, 0.3290

Same Dimension

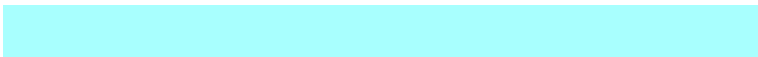
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5374, 0.2857, 0.3795



82.3195, 0.2812, 0.3917



86.9613, 0.2649, 0.3304



20.3180, 0.3048, 0.3413



38.1902, 0.2730, 0.5029



3.7405, 0.2672, 0.4820

Inverse Universe

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



53.9791, 0.3528, 0.2838



47.5414, 0.3641, 0.2747



52.1083, 0.3926, 0.3277



18.1402, 0.3215, 0.3171



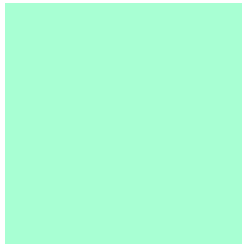
11.9649, 0.4942, 0.2496



1.1870, 0.4691, 0.2358

Previews

White Background



This preview shows how the Yxy color 84.5480, 0.2857, 0.3795 looks on a white background.

Color Contrast Check

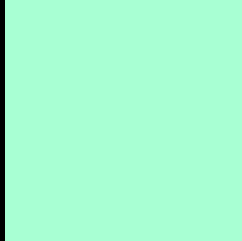
Large Text (above 18pt) WCAG AA × Fail

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 84.5480, 0.2857, 0.3795 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

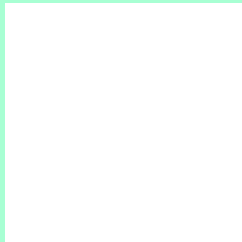
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5480, 0.2857, 0.3795

Background



This preview shows how black text looks on a background with the Yxy color 84.5480, 0.2857, 0.3795.

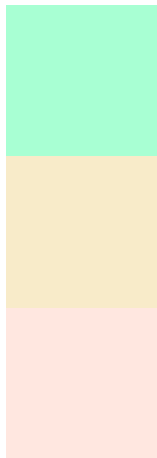


This preview shows how white text looks on a background with the Yxy color 84.5480, 0.2857, 0.3795.

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

84.5480, 0.2857, 0.3795

Protanopia

83.5902, 0.3436, 0.3638

Deuteranopia

83.7936, 0.3339, 0.3360



Tritanopia

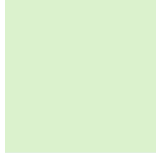
84.3003, 0.2825, 0.3163

Trichromacy



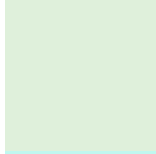
Original Color

84.5480, 0.2857, 0.3795



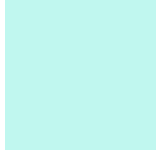
Protanomaly

82.9721, 0.3200, 0.3689



Deuteranomaly

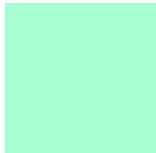
83.1226, 0.3143, 0.3513



Tritanomaly

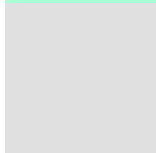
83.9600, 0.2838, 0.3376

Monochromacy



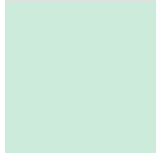
Original Color

84.5480, 0.2857, 0.3795



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3685, 0.3020, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5480, 0.2857, 0.3795 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(168, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 211)  
}
```

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(168, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 211) }
```

Border

The CSS property to change the border of an element to Yxy 84.5480, 0.2857, 0.3795 is called "border". The border property can be set on classes, ids or directly on the HTML element.

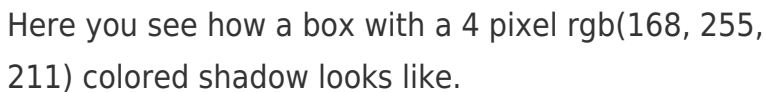
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 255, 211) }
```

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

```
.border{ border-color:rgb(168, 255, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 255, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 255, 211); box-shadow:4px 4px 4px 4px rgb(168, 255, 211) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5480, 0.2857, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 211) }
```

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

```
.background{ background-color: rgb(168,  
255, 211) }
```

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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