

# Converting Colors

$Yxy(84.1636, 0.2856, 0.3824)$

Have a look what the booklet for  
Yxy(84.1636, 0.2856, 0.3824)  
contains.

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# Color

**Yxy(84.2304, 0.2857, 0.3820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6FFD1
RGB	166, 255, 209
RGB Percent	65%, 100%, 82%
CMY	0.3490, 0.0000, 0.1803
CMYK	0.35, 0.00, 0.18, 0.00
HSL	149°, 100%, 83%
HSV	149°, 35%, 100%
XYZ	62.9964, 84.2304, 73.2716
YIQ	223.1450, -38.2780, -33.1740

# Conversions

## Conversions Part 2

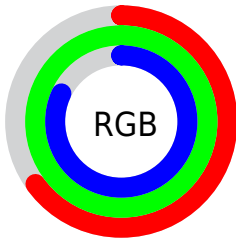
Format	Color
<a href="#">RYB</a>	<a href="#">166, 226, 255</a>
Decimal	<a href="#">10944465</a>
CIELab	<a href="#">93.55, -36.26, 13.62</a>
CIElCh	<a href="#">94, 38.731, 159.415</a>
Yxy	<a href="#">84.2304, 0.2857, 0.3820</a>
Android (android.graphics.Color)	<a href="#">4289134545 (0xFFA6FFD1)</a>
YUV	<a href="#">223.1450, -6.9735, -50.1162</a>
Hunter-Lab	<a href="#">91.7771, -38.0864, 16.9089</a>

# Details

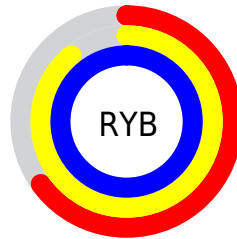
The Yxy color **84.2304, 0.2857, 0.3820** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.2859, 0.3531, 0.2818**, and the grayscale version is **73.9728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **46.1342, 0.2792, 0.3943** is the 20% darker color. If you saturate the color by 10%, you get **81.1178, 0.2795, 0.4005**, and if you desaturate by 10%, it is **87.9460, 0.2928, 0.3649**.

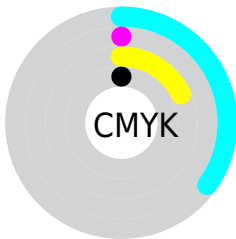
# Distribution



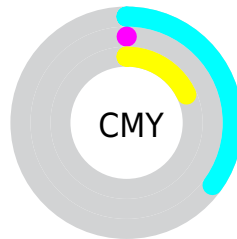
- Red (65%)
- Green (100%)
- Blue (82%)



- Red (65%)
- Yellow (89%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2304, 0.2857, 0.3820 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 84.2304, 0.2857, 0.3820 by changing the saturation by 10% instead.



 84.2304, 0.2857,  
0.3820


 84.2304, 0.2857,  
0.3820


509.0780, 0.2983,  
0.3572

 63.2057, 0.2828,  
0.3877


 139.2974, 0.2901,  
0.3733

 46.0076, 0.2792,  
0.3949


 174.1085, 0.2918,  
0.3700

 32.2518, 0.2746,  
0.4040


214.2839, 0.2933,  
0.3671

 21.5539, 0.2686,  
0.4160

260.2078, 0.2945,  
0.3646

 13.5295, 0.2603,  
0.4324

312.2648, 0.2957,  
0.3624

 7.7942, 0.2483,  
0.4565

370.8393, 0.2967,

 3.9635, 0.2294,

0.3604

0.4946

436.3155, 0.2975,  
0.3587

■ 1.6532, 0.1881,  
0.5750

■ 0.3931, 0.0000,  
1.0000

■ 84.2304, 0.2857,  
0.3820

■ 84.2304, 0.2857,  
0.3820

■ 81.1178, 0.2795,  
0.4005

■ 87.9460, 0.2928,  
0.3649

■ 78.5703, 0.2746,  
0.4202

■ 92.2916, 0.3006,  
0.3493


■ 76.5521, 0.2713,  
0.4406


■ 97.2974, 0.3087,  
0.3353

■ 75.0214, 0.2699,  
0.4611

100.0000, 0.3127,  
0.3290

 73.9294, 0.2705,  
0.4813

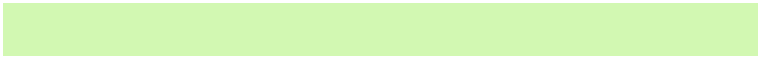
 73.2166, 0.2731,  
0.5004

 72.9565, 0.2749,  
0.5097

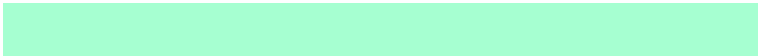
# Harmonies

## Analogous

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



84.2304, 0.3293, 0.4067



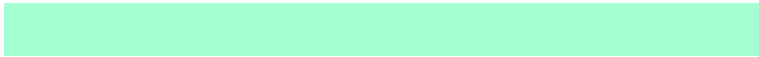
84.2304, 0.2857, 0.3820



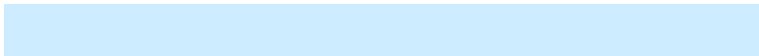
84.2304, 0.2510, 0.3401

# Triad

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



84.2304, 0.2857, 0.3820



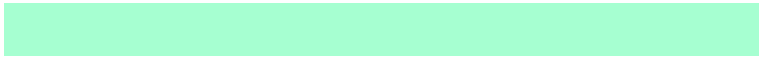
84.2304, 0.2549, 0.2576



84.2304, 0.3997, 0.3497

# Complementary

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



84.2304, 0.2857, 0.3820



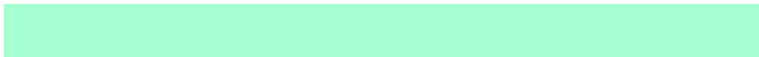
53.2859, 0.3531, 0.2818

# 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.



84.2304, 0.3771, 0.3141



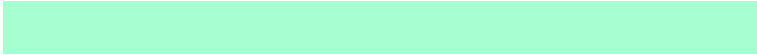
84.2304, 0.2857, 0.3820



84.2304, 0.2913, 0.2632

# Square

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



84.2304, 0.2857, 0.3820



84.2304, 0.2344, 0.2692



84.2304, 0.3363, 0.2834

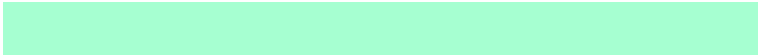


84.2304, 0.3967, 0.3832



# Rectangle

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



84.2304, 0.2857, 0.3820



84.2304, 0.2368, 0.3112



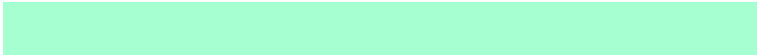
84.2304, 0.3363, 0.2834



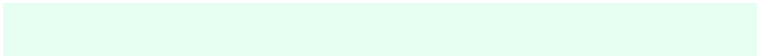
84.2304, 0.3948, 0.3377

# Sweetspot

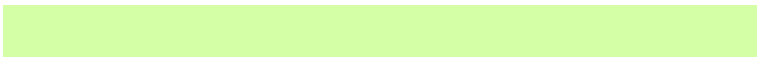
The Sweet Spot groups the original color and five complimentary colors.



84.2318, 0.2857, 0.3820



94.6607, 0.3045, 0.3422



88.2680, 0.3363, 0.4254



20.1124, 0.3034, 0.3442



0.0000, 0.0000, 0.0000

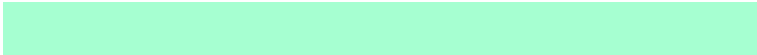


21.4041, 0.3127, 0.3290

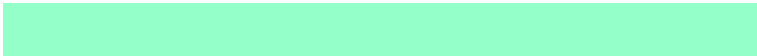


# Same Dimension

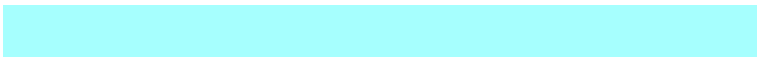
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2318, 0.2857, 0.3820



81.9612, 0.2812, 0.3950



86.7521, 0.2640, 0.3305



20.3145, 0.3049, 0.3415



38.1512, 0.2741, 0.5067



3.7366, 0.2682, 0.4855



# Inverse Universe

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



53.2859, 0.3531, 0.2818



46.7313, 0.3647, 0.2721



51.3414, 0.3950, 0.3277



18.1438, 0.3213, 0.3168



12.0060, 0.4894, 0.2470

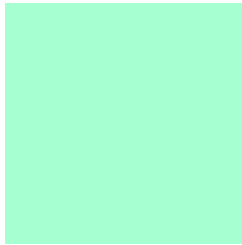


1.1911, 0.4649, 0.2335



# Previews

## White Background



This preview shows how the Yxy color 84.2304, 0.2857, 0.3820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

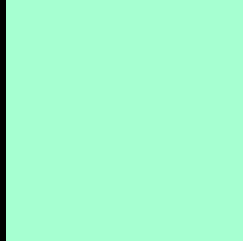
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.2304, 0.2857, 0.3820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

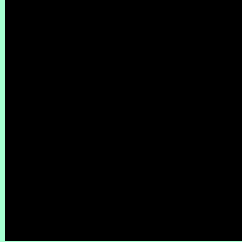
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

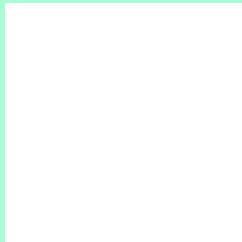
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.2304, 0.2857, 0.3820**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.2304, 0.2857, 0.3820.

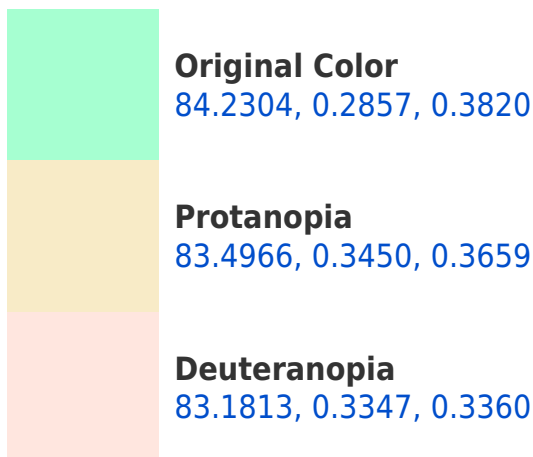


This preview shows how white text looks on a background with the Yxy color 84.2304, 0.2857, 0.3820.

# 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

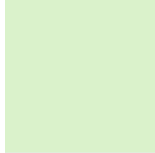
84.0177, 0.2813, 0.3163

# Trichromacy



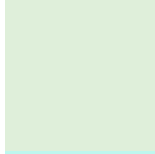
## Original Color

84.2304, 0.2857, 0.3820



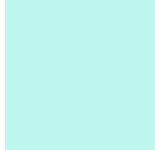
## Protanomaly

82.7215, 0.3206, 0.3712



## Deuteranomaly

82.4829, 0.3150, 0.3513



## Tritanomaly

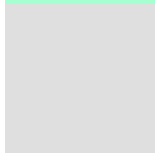
83.6417, 0.2832, 0.3387

# Monochromacy



## Original Color

84.2304, 0.2857, 0.3820



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.0352, 0.3013, 0.3479

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.2304, 0.2857, 0.3820 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(166, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 209)  
}
```

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(166, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 84.2304, 0.2857, 0.3820 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(166, 255, 209) }
```

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

```
.border{ border-color:rgb(166, 255, 209) }
```

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

Here you see how a box with a 4 pixel rgb(166, 255, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.2304, 0.2857, 0.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 209) }
```

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

```
.background{ background-color: rgb(166,  
255, 209) }
```

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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