

# Converting Colors

$Yxy(84.8644, 0.2834, 0.3734)$

Have a look what the booklet for  
Yxy(84.8644, 0.2834, 0.3734)  
contains.

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# Color

**Yxy(84.8027, 0.2832, 0.3735)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8FFD8
RGB	168, 255, 216
RGB Percent	66%, 100%, 85%
CMY	0.3412, 0.0000, 0.1529
CMYK	0.34, 0.00, 0.15, 0.00
HSL	153°, 100%, 83%
HSV	153°, 34%, 100%
XYZ	64.3002, 84.8027, 77.9458
YIQ	224.5410, -39.3330, -30.5730

# Conversions

## Conversions Part 2

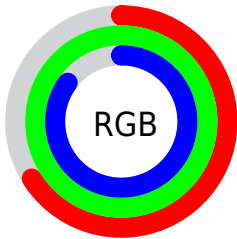
Format	Color
<b>RYB</b>	168, 224, 255
Decimal	11075544
CIELab	93.80, -34.34, 10.39
CIELCh	94, 35.877, 163.159
Yxy	84.8027, 0.2832, 0.3735
Android (android.graphics.Color)	4289265624 (0xFFA8FFD8)
YUV	224.5410, -4.2107, -49.5865
Hunter-Lab	92.0884, -36.5180, 14.2774

# Details

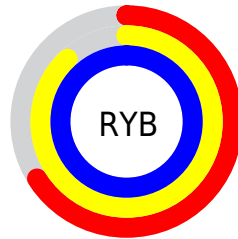
The Yxy color **84.8027, 0.2832, 0.3735** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.7632, 0.3572, 0.2888**, and the grayscale version is **74.9962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **46.4721, 0.2767, 0.3846** is the 20% darker color. If you saturate the color by 10%, you get **81.7009, 0.2762, 0.3893**, and if you desaturate by 10%, it is **88.4910, 0.2912, 0.3589**.

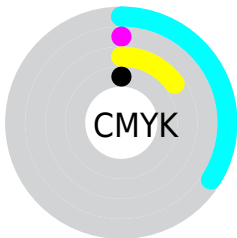
# Distribution



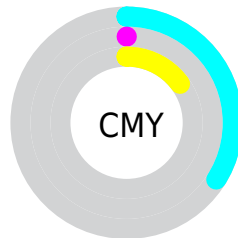
- Red (66%)
- Green (100%)
- Blue (85%)



- Red (66%)
- Yellow (88%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8027, 0.2832, 0.3735 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 84.8027, 0.2832, 0.3735 by changing the saturation by 10% instead.




 84.8027, 0.2832,  
0.3735

 84.8027, 0.2832,  
0.3735


510.9750, 0.2968,  
0.3528

 63.6784, 0.2801,  
0.3783

 140.0975, 0.2879,  
0.3663

 46.3902, 0.2763,  
0.3841


175.0367, 0.2897,  
0.3635

 32.5539, 0.2715,  
0.3916


215.3497, 0.2913,  
0.3611

 21.7849, 0.2652,  
0.4014

261.4209, 0.2927,  
0.3590

 13.6989, 0.2568,  
0.4148

313.6346, 0.2939,  
0.3572

 7.9116, 0.2447,  
0.4343

372.3753, 0.2950,

 4.0384, 0.2260,

0.3555

0.4648

438.0273, 0.2959,  
0.3541

1.6951, 0.1891,  
0.5223

0.4205, 0.0000,  
1.0000

84.8027, 0.2832,  
0.3735

84.8027, 0.2832,  
0.3735

81.7009, 0.2762,  
0.3893

88.4910, 0.2912,  
0.3589

79.1576, 0.2705,  
0.4061

92.8012, 0.2999,  
0.3456

77.1346, 0.2665,  
0.4236

97.7598, 0.3089,  
0.3336

75.5910, 0.2644,  
0.4414

100.0000, 0.3127,  
0.3290

■ 74.4793, 0.2644,  
0.4591

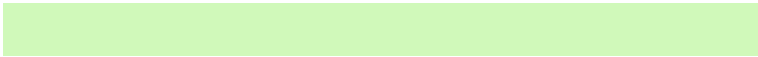
■ 73.7417, 0.2664,  
0.4762

■ 73.4347, 0.2683,  
0.4860

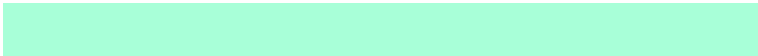
# Harmonies

## Analogous

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



84.8027, 0.3232, 0.3989



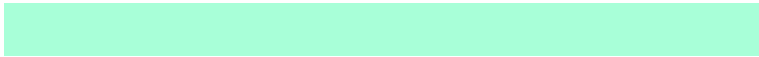
84.8027, 0.2832, 0.3735



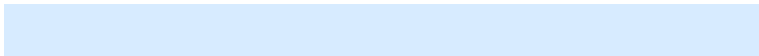
84.8027, 0.2525, 0.3343

# Triad

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



84.8027, 0.2832, 0.3735



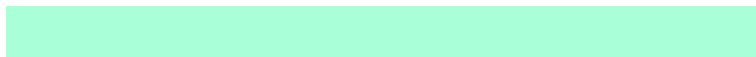
84.8027, 0.2626, 0.2625



84.8027, 0.3940, 0.3527

# Complementary

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



84.8027, 0.2832, 0.3735



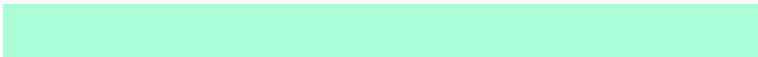
53.7632, 0.3572, 0.2888

# 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.



84.8027, 0.3759, 0.3194



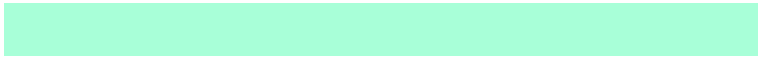
84.8027, 0.2832, 0.3735



84.8027, 0.2980, 0.2694

# Square

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



84.8027, 0.2832, 0.3735



84.8027, 0.2413, 0.2714



84.8027, 0.3398, 0.2898

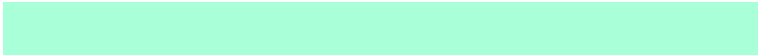


84.8027, 0.3884, 0.3829



# Rectangle

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



84.8027, 0.2832, 0.3735



84.8027, 0.2406, 0.3082



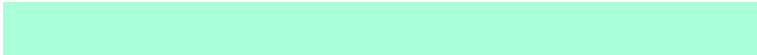
84.8027, 0.3398, 0.2898



84.8027, 0.3905, 0.3416

# Sweetspot

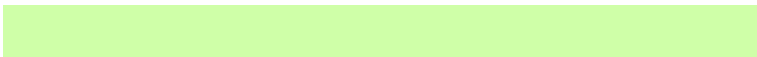
The Sweet Spot groups the original color and five complimentary colors.



84.8010, 0.2832, 0.3735



94.7661, 0.3036, 0.3405



87.6322, 0.3321, 0.4242



20.1378, 0.3023, 0.3422



0.0000, 0.0000, 0.0000

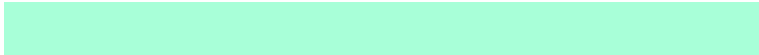


21.4041, 0.3127, 0.3290

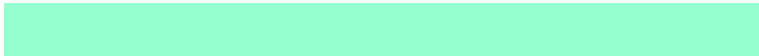


# Same Dimension

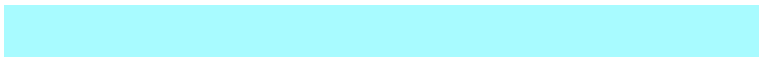
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8010, 0.2832, 0.3735



82.6080, 0.2783, 0.3842



84.3184, 0.2636, 0.3241



20.3360, 0.3040, 0.3399



38.4018, 0.2676, 0.4832



3.7611, 0.2622, 0.4641



# Inverse Universe

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



53.7632, 0.3572, 0.2888



47.2618, 0.3701, 0.2806



53.7190, 0.3923, 0.3338



18.1224, 0.3224, 0.3184



11.7760, 0.5184, 0.2629

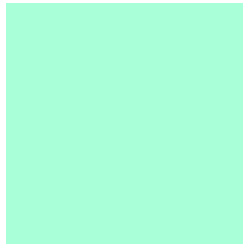


1.1682, 0.4903, 0.2474



# Previews

## White Background



This preview shows how the Yxy color 84.8027, 0.2832, 0.3735 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

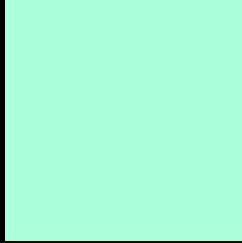
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8027, 0.2832, 0.3735 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

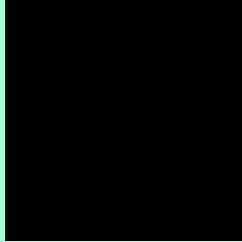
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.8027, 0.2832, 0.3735**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8027, 0.2832, 0.3735.

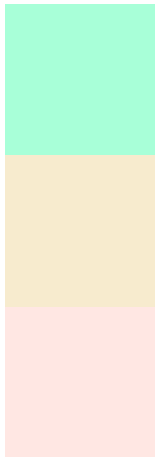


This preview shows how white text looks on a background with the Yxy color 84.8027, 0.2832, 0.3735.

# 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

84.8027, 0.2832, 0.3735

### Protanopia

83.6470, 0.3396, 0.3587

### Deuteranopia

83.9579, 0.3319, 0.3330



## Tritanopia

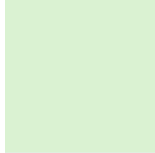
84.3003, 0.2825, 0.3163

# Trichromacy



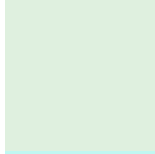
## Original Color

84.8027, 0.2832, 0.3735



## Protanomaly

83.0628, 0.3163, 0.3634



## Deuteranomaly

83.3359, 0.3119, 0.3469



## Tritanomaly

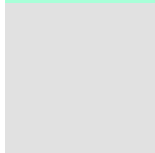
84.0789, 0.2827, 0.3354

# Monochromacy



## Original Color

84.8027, 0.2832, 0.3735



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

78.1022, 0.3002, 0.3444

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.8027, 0.2832, 0.3735 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8027, 0.2832, 0.3735 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, 216) }
```

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

```
.border{ border-color:rgb(168, 255, 216) }
```

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, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8027, 0.2832, 0.3735 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, 216) }
```

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

```
.background{ background-color: rgb(168,  
255, 216) }
```

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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