

# Converting Colors

Yxy(84.1686, 0.2831, 0.3785)

Have a look what the booklet for  
Yxy(84.1686, 0.2831, 0.3785)  
contains.

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# Color

**Yxy(84.1660, 0.2831, 0.3786)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | A4FFD4                       |
| RGB         | 164, 255, 212                |
| RGB Percent | 64%, 100%, 83%               |
| CMY         | 0.3573, 0.0000, 0.1687       |
| CMYK        | 0.36, 0.00, 0.17, 0.00       |
| HSL         | 152°, 100%, 82%              |
| HSV         | 152°, 36%, 100%              |
| XYZ         | 62.9355, 84.1660, 75.2070    |
| YIQ         | 222.8890, -40.4330, -32.6650 |

# Conversions

## Conversions Part 2

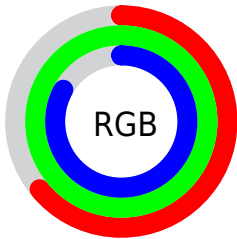
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 164, 224, 255                  |
| Decimal                             | 10813396                       |
| CIELab                              | 93.52, -36.28, 12.04           |
| CIElCh                              | 94, 38.224, 161.640            |
| Yxy                                 | 84.1660, 0.2831,<br>0.3786     |
| Android<br>(android.graphics.Color) | 4289003476<br>(0xFFA4FFD4)     |
| YUV                                 | 222.8890, -5.3683,<br>-51.6457 |
| Hunter-Lab                          | 91.7420, -38.0966,<br>15.6155  |

# Details

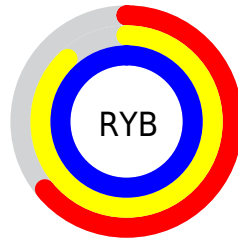
The Yxy color **84.1660, 0.2831, 0.3786** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.2734, 0.3581, 0.2847**, and the grayscale version is **73.7439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **46.0106, 0.2762, 0.3914** is the 20% darker color. If you saturate the color by 10%, you get **81.1247, 0.2765, 0.3955**, and if you desaturate by 10%, it is **87.7726, 0.2907, 0.3629**.

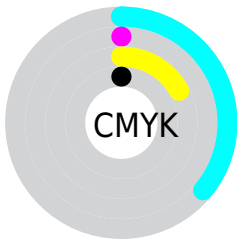
# Distribution



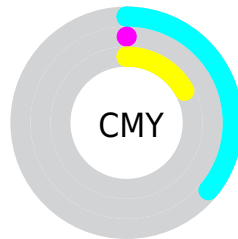
- Red (64%)
- Green (100%)
- Blue (83%)



- Red (64%)
- Yellow (88%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1660, 0.2831, 0.3786 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 84.1660, 0.2831, 0.3786 by changing the saturation by 10% instead.



 84.1660, 0.2831,  
0.3786


 84.1660, 0.2831,  
0.3786


508.8643, 0.2968,  
0.3554

 63.1525, 0.2800,  
0.3840


 139.2074, 0.2879,  
0.3705

 45.9646, 0.2761,  
0.3906


 174.0040, 0.2897,  
0.3674

 32.2179, 0.2712,  
0.3991


214.1638, 0.2913,  
0.3647

 21.5280, 0.2647,  
0.4102

260.0712, 0.2927,  
0.3623

 13.5105, 0.2560,  
0.4255

312.1106, 0.2939,  
0.3603

 7.7810, 0.2433,  
0.4477

370.6663, 0.2950,

 3.9551, 0.2237,

0.3585

0.4829

436.1227, 0.2960,  
0.3569

1.6485, 0.1807,  
0.5543

0.3900, 0.0000,  
1.0000

84.1660, 0.2831,  
0.3786

84.1660, 0.2831,  
0.3786

81.1247, 0.2765,  
0.3955

87.7726, 0.2907,  
0.3629

78.6507, 0.2713,  
0.4134

92.0110, 0.2990,  
0.3486

76.6948, 0.2678,  
0.4320

96.8981, 0.3077,  
0.3357

75.2150, 0.2662,  
0.4508

100.0000, 0.3127,  
0.3290

■ 74.1625, 0.2667,  
0.4693

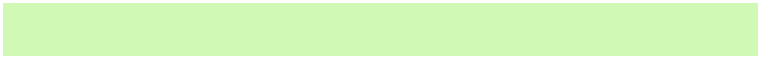
■ 73.4767, 0.2692,  
0.4871

■ 73.2584, 0.2707,  
0.4944

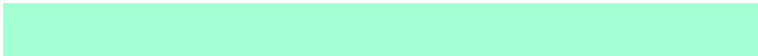
# Harmonies

## Analogous

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



84.1660, 0.3259, 0.4047



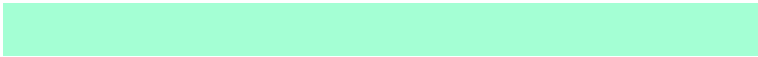
84.1660, 0.2831, 0.3786



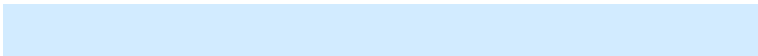
84.1660, 0.2498, 0.3368

# Triad

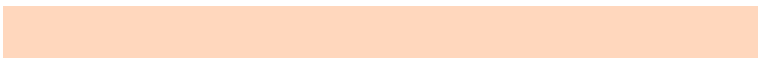
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1660, 0.2831, 0.3786



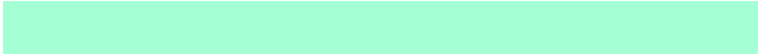
84.1660, 0.2578, 0.2583



84.1660, 0.3992, 0.3522

# Complementary

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



84.1660, 0.2831, 0.3786



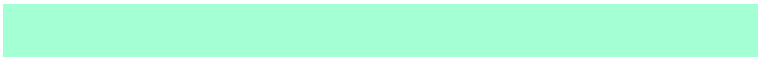
52.2734, 0.3581, 0.2847

# 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.



84.1660, 0.3787, 0.3169



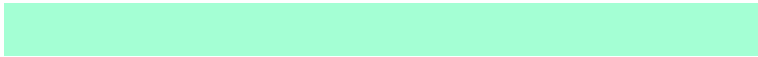
84.1660, 0.2831, 0.3786



84.1660, 0.2947, 0.2650

# Square

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



84.1660, 0.2831, 0.3786



84.1660, 0.2362, 0.2685



84.1660, 0.3393, 0.2859

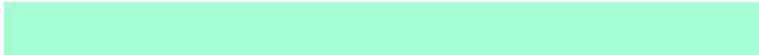


84.1660, 0.3944, 0.3847



# Rectangle

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



84.1660, 0.2831, 0.3786



84.1660, 0.2367, 0.3085



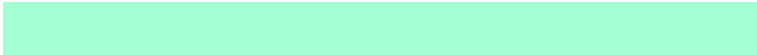
84.1660, 0.3393, 0.2859



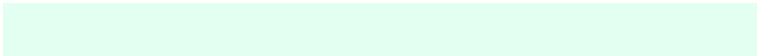
84.1660, 0.3951, 0.3403

# Sweetspot

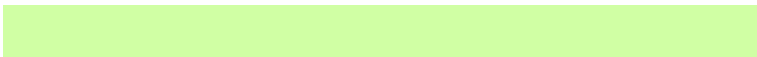
The Sweet Spot groups the original color and five complimentary colors.



84.1541, 0.2831, 0.3786



94.2390, 0.3030, 0.3424



87.5961, 0.3348, 0.4285



20.0311, 0.3019, 0.3441



0.0000, 0.0000, 0.0000

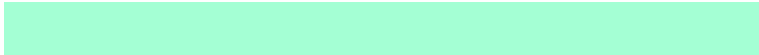


21.4041, 0.3127, 0.3290

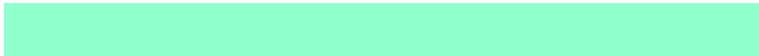


# Same Dimension

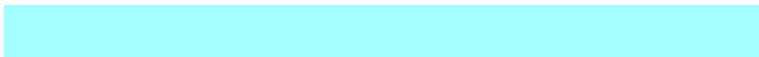
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1541, 0.2831, 0.3786



81.8945, 0.2782, 0.3908



85.6562, 0.2621, 0.3272



20.3284, 0.3043, 0.3404



38.3095, 0.2699, 0.4916



3.7522, 0.2643, 0.4716



# Inverse Universe

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



52.2734, 0.3581, 0.2847



45.6545, 0.3714, 0.2756



50.9958, 0.3988, 0.3309



18.1299, 0.3220, 0.3178



11.8519, 0.5083, 0.2574

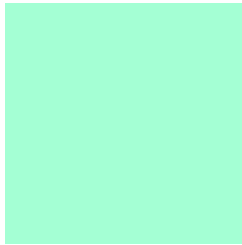


1.1759, 0.4813, 0.2425



# Previews

## White Background



This preview shows how the Yxy color 84.1660, 0.2831, 0.3786 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

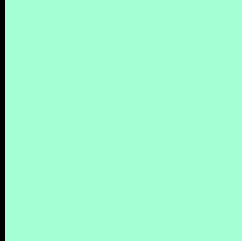
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.1660, 0.2831, 0.3786 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

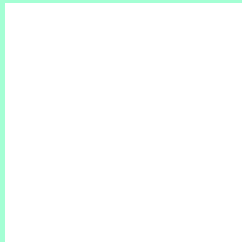
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.1660, 0.2831, 0.3786**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.1660, 0.2831, 0.3786.

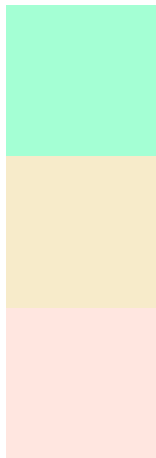


This preview shows how white text looks on a background with the Yxy color 84.1660, 0.2831, 0.3786.

# 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

84.1660, 0.2831, 0.3786

### Protanopia

83.4551, 0.3423, 0.3628

### Deuteranopia

83.2354, 0.3341, 0.3350



## Tritanopia

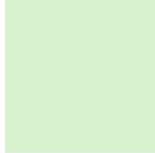
83.8777, 0.2808, 0.3163

# Trichromacy



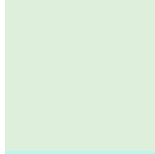
## Original Color

84.1660, 0.2831, 0.3786



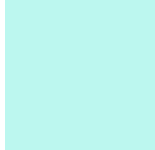
## Protanomaly

82.7122, 0.3181, 0.3679



## Deuteranomaly

82.4299, 0.3131, 0.3492



## Tritanomaly

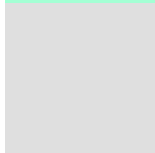
83.4449, 0.2816, 0.3377

# Monochromacy



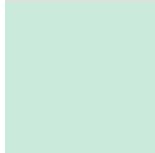
## Original Color

84.1660, 0.2831, 0.3786



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.0877, 0.3007, 0.3468

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.1660, 0.2831, 0.3786 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(164, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 212)  
}
```

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(164, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 84.1660, 0.2831, 0.3786 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(164, 255, 212) }
```

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

```
.border{ border-color:rgb(164, 255, 212) }
```

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

Here you see how a box with a 4 pixel rgb(164, 255, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.1660, 0.2831, 0.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 212) }
```

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

```
.background{ background-color: rgb(164,  
255, 212) }
```

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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