

# Converting Colors

$Yxy(64.9758, 0.2805, 0.3377)$

Have a look what the booklet for  
Yxy(64.9758, 0.2805, 0.3377)  
contains.

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# Color

**Yxy(64.6749, 0.2803, 0.3374)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | A6DDD6                       |
| RGB         | 166, 221, 214                |
| RGB Percent | 65%, 87%, 84%                |
| CMY         | 0.3488, 0.1334, 0.1607       |
| CMYK        | 0.25, 0.00, 0.03, 0.13       |
| HSL         | 172°, 45%, 76%               |
| HSV         | 172°, 25%, 87%               |
| XYZ         | 53.7296, 64.6749, 73.2816    |
| YIQ         | 203.7570, -30.5330, -13.8370 |

# Conversions

## Conversions Part 2

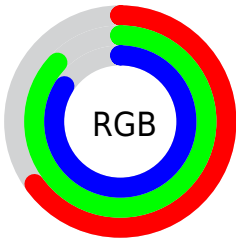
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 166, 195, 221                 |
| Decimal                             | 10935766                      |
| CIELab                              | 84.32, -18.97, -2.31          |
| CIELCh                              | 84, 19.113, 186.947           |
| Yxy                                 | 64.6749, 0.2803,<br>0.3374    |
| Android<br>(android.graphics.Color) | 4289125846<br>(0xFFA6DDD6)    |
| YUV                                 | 203.7570, 5.0498,<br>-33.1129 |
| Hunter-Lab                          | 80.4207, -21.4792,<br>2.2678  |

# Details

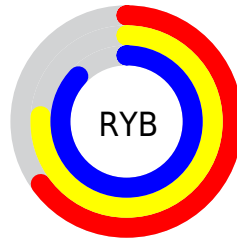
The Yxy color **64.6749, 0.2803, 0.3374** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.6809, 0.3583, 0.3209**, and the grayscale version is **60.2124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **33.2204, 0.2723, 0.3403** is the 20% darker color. If you saturate the color by 10%, you get **62.3478, 0.2689, 0.3413**, and if you desaturate by 10%, it is **67.4201, 0.2928, 0.3338**.

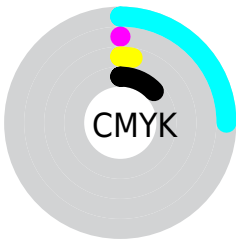
# Distribution



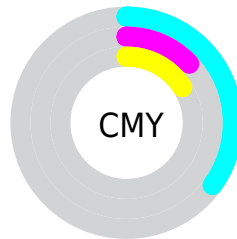
- Red (65%)
- Green (87%)
- Blue (84%)



- Red (65%)
- Yellow (76%)
- Blue (87%)



- Cyan (25%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)



- Cyan (35%)
- Magenta (13%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6749, 0.2803, 0.3374 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 64.6749, 0.2803, 0.3374 by changing the saturation by 10% instead.





 64.6749, 0.2803,  
0.3374


 64.6749, 0.2803,  
0.3374


441.6228, 0.2955,  
0.3336

 47.1975, 0.2768,  
0.3383


 111.5823, 0.2856,  
0.3361

 33.1918, 0.2724,  
0.3393


 141.7812, 0.2877,  
0.3356

 22.2734, 0.2667,  
0.3407


176.9893, 0.2895,  
0.3351

 14.0580, 0.2593,  
0.3424

217.5911, 0.2910,  
0.3347

 8.1610, 0.2490,  
0.3448

263.9709, 0.2923,  
0.3344

 4.1981, 0.2339,  
0.3481

316.5132, 0.2935,

 1.7850, 0.2095,

0.3341

375.6024, 0.2946,  
0.3338

0.3529

0.4778, 0.0000,  
0.4120

0.0000, 0.0000,  
0.0000

64.6749, 0.2803,  
0.3374

64.6749, 0.2803,  
0.3374

62.3478, 0.2689,  
0.3413

67.4201, 0.2928,  
0.3338

60.4100, 0.2590,  
0.3454

70.5951, 0.3061,  
0.3305

58.8412, 0.2506,  
0.3496

74.2206, 0.3199,  
0.3275

57.6162, 0.2441,  
0.3540

78.3139, 0.3339,  
0.3248

■ 56.7067, 0.2395,  
0.3585

■ 78.5726, 0.3324,  
0.3220

■ 56.0796, 0.2369,  
0.3630

■ 78.7298, 0.3305,  
0.3192

■ 55.6947, 0.2360,  
0.3674

■ 78.8894, 0.3285,  
0.3165

■ 55.5564, 0.2360,  
0.3696

■ 79.0516, 0.3266,  
0.3137

■ 79.2164, 0.3247,  
0.3110

# Harmonies

## Analogous

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



64.6749, 0.3005, 0.3581



64.6749, 0.2803, 0.3374



64.6749, 0.2688, 0.3151

# Triad

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



64.6749, 0.2803, 0.3374



64.6749, 0.2996, 0.2914



64.6749, 0.3587, 0.3584

# Complementary

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



64.6749, 0.2803, 0.3374



45.6809, 0.3583, 0.3209

# 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.



64.6749, 0.3587, 0.3400



64.6749, 0.2803, 0.3374



64.6749, 0.3239, 0.3023

# Square

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



64.6749, 0.2803, 0.3374



64.6749, 0.2796, 0.2895



64.6749, 0.3458, 0.3198



64.6749, 0.3459, 0.3699



# Rectangle

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



64.6749, 0.2803, 0.3374



64.6749, 0.2674, 0.3027



64.6749, 0.3458, 0.3198



64.6749, 0.3602, 0.3528

# Sweetspot

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



64.6775, 0.2803, 0.3374



96.6253, 0.3031, 0.3312



63.3914, 0.3145, 0.3983



20.6226, 0.3023, 0.3314



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

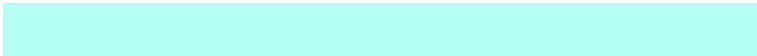


# Same Dimension

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



64.6775, 0.2803, 0.3374



87.6545, 0.2740, 0.3395



55.0352, 0.2741, 0.3039



14.7996, 0.2999, 0.3320



32.2879, 0.2358, 0.3689



2.0999, 0.2338, 0.3617



# Inverse Universe

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



45.6809, 0.3583, 0.3209



56.9400, 0.3718, 0.3190



53.3272, 0.3592, 0.3528



13.0783, 0.3272, 0.3261



8.9879, 0.6232, 0.3207



0.5913, 0.5870, 0.3008



# Previews

## White Background



This preview shows how the Yxy color 64.6749, 0.2803, 0.3374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

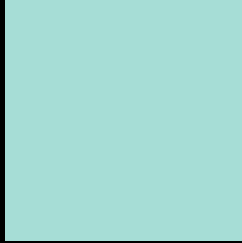
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.6749, 0.2803, 0.3374 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

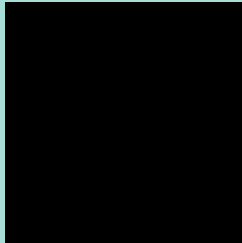
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

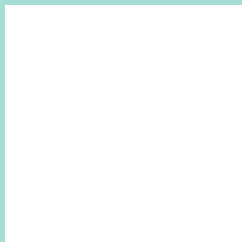
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.6749, 0.2803, 0.3374**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.6749, 0.2803, 0.3374.

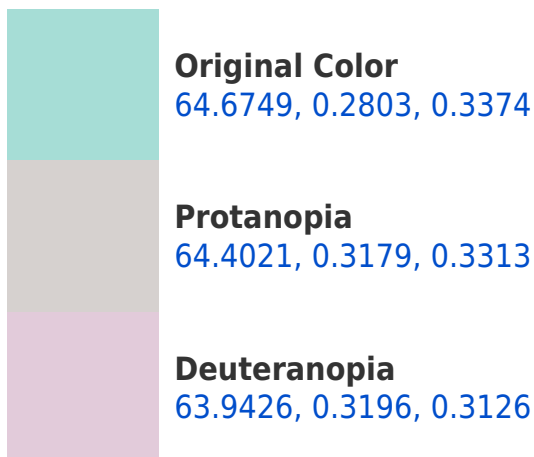


This preview shows how white text looks on a background with the Yxy color 64.6749, 0.2803, 0.3374.

# 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

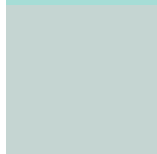
64.6870, 0.2705, 0.3089

# Trichromacy



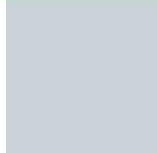
## Original Color

64.6749, 0.2803, 0.3374



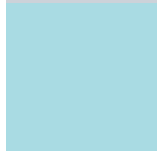
## Protanomaly

64.1120, 0.3031, 0.3325



## Deuteranomaly

63.9403, 0.3036, 0.3210



## Tritanomaly

64.6441, 0.2745, 0.3193

# Monochromacy



## Original Color

64.6749, 0.2803, 0.3374



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

61.5944, 0.2995, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.6749, 0.2803, 0.3374 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, 221, 214)` looks like.

```
.text, #text, p{  
    color:rgb(166, 221, 214)  
}
```

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, 221, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 221, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6749, 0.2803, 0.3374 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, 221, 214) }
```

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

```
.border{ border-color:rgb(166, 221, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 221, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 221, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 221, 214);  
box-shadow:4px 4px 4px 4px rgb(166, 221,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6749, 0.2803, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 221, 214) }
```

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

```
.background{ background-color: rgb(166,  
221, 214) }
```

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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