

# Converting Colors

$Yxy(70.1849, 0.2753, 0.3439)$

Have a look what the booklet for  
Yxy(70.1849, 0.2753, 0.3439)  
contains.

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# Color

**Yxy(70.4048, 0.2757, 0.3445)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | A1E8DB                       |
| RGB         | 161, 232, 219                |
| RGB Percent | 63%, 91%, 86%                |
| CMY         | 0.3684, 0.0902, 0.1413       |
| CMYK        | 0.31, 0.00, 0.06, 0.09       |
| HSL         | 169°, 61%, 77%               |
| HSV         | 169°, 31%, 91%               |
| XYZ         | 56.3443, 70.4048, 77.6190    |
| YIQ         | 209.2890, -38.1430, -19.0950 |

# Conversions

## Conversions Part 2

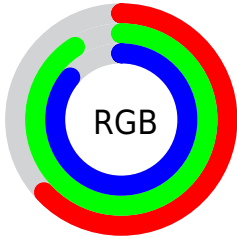
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">161, 200, 232</a>                  |
| Decimal                             | <a href="#">10610907</a>                       |
| CIELab                              | <a href="#">87.20, -24.78, -0.74</a>           |
| CIElCh                              | <a href="#">87, 24.793, 181.710</a>            |
| Yxy                                 | <a href="#">70.4048, 0.2757,<br/>0.3445</a>    |
| Android<br>(android.graphics.Color) | <a href="#">4288800987<br/>(0xFFA1E8DB)</a>    |
| YUV                                 | <a href="#">209.2890, 4.7875,<br/>-42.3495</a> |
| Hunter-Lab                          | <a href="#">83.9076, -26.9748,<br/>3.8889</a>  |

# Details

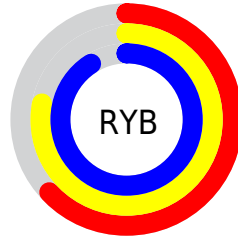
The Yxy color **70.4048, 0.2757, 0.3445** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.7200, 0.3690, 0.3143**, and the grayscale version is **63.9522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **36.8568, 0.2672, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **67.9945, 0.2656, 0.3504**, and if you desaturate by 10%, it is **73.2737, 0.2870, 0.3390**.

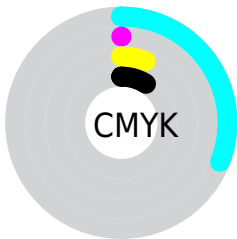
# Distribution



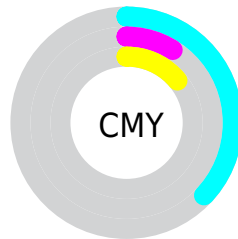
- Red (63%)
- Green (91%)
- Blue (86%)



- Red (63%)
- Yellow (78%)
- Blue (91%)



- Cyan (31%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)




- Cyan (37%)
- Magenta (9%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4048, 0.2757, 0.3445 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 70.4048, 0.2757, 0.3445 by changing the saturation by 10% instead.



 70.4048, 0.2757,  
0.3445

 70.4048, 0.2757,  
0.3445


461.9701, 0.2929,  
0.3374

 51.8566, 0.2718,  
0.3461


 119.7858, 0.2817,  
0.3420

 36.8908, 0.2669,  
0.3481

 151.3875, 0.2840,  
0.3411

 25.1230, 0.2608,  
0.3507


188.1091, 0.2860,  
0.3402

 16.1687, 0.2527,  
0.3540

230.3350, 0.2877,  
0.3395

 9.6436, 0.2417,  
0.3585

278.4497, 0.2892,  
0.3389

 5.1633, 0.2259,  
0.3649


332.8375, 0.2906,

 2.3434, 0.2013,


0.3383


0.3747


393.8828, 0.2918,  
0.3378


 0.7965, 0.0814,  
0.4265


 0.0000, 0.0000,  
0.0000


 70.4048, 0.2757,  
0.3445


 70.4048, 0.2757,  
0.3445

 67.9945, 0.2656,  
0.3504


 73.2737, 0.2870,  
0.3390


 66.0096, 0.2570,  
0.3566

 76.6156, 0.2992,  
0.3339


 64.4255, 0.2501,  
0.3631


 80.4547, 0.3120,  
0.3293

 63.2120, 0.2452,  
0.3698


 84.8110, 0.3251,  
0.3251

 62.3342, 0.2422,  
0.3765

 85.2799, 0.3231,  
0.3209


 61.7507, 0.2411,  
0.3831

 85.5364, 0.3204,  
0.3168

 61.4048, 0.2415,  
0.3893

 85.7989, 0.3177,  
0.3127

 86.0674, 0.3150,  
0.3087

 86.1927, 0.3138,  
0.3068

# Harmonies

## Analogous

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



70.4048, 0.3022, 0.3698



70.4048, 0.2757, 0.3445



70.4048, 0.2594, 0.3157

# Triad

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



70.4048, 0.2757, 0.3445



70.4048, 0.2911, 0.2809



70.4048, 0.3720, 0.3619

# Complementary

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



70.4048, 0.2757, 0.3445



45.7200, 0.3690, 0.3143

# 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.



70.4048, 0.3691, 0.3380



70.4048, 0.2757, 0.3445



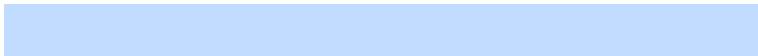
70.4048, 0.3212, 0.2927

# Square

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



70.4048, 0.2757, 0.3445



70.4048, 0.2679, 0.2805



70.4048, 0.3502, 0.3131



70.4048, 0.3582, 0.3788



# Rectangle

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



70.4048, 0.2757, 0.3445



70.4048, 0.2559, 0.2992



70.4048, 0.3502, 0.3131



70.4048, 0.3730, 0.3544

# Sweetspot

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



70.4077, 0.2757, 0.3445



95.6358, 0.3011, 0.3332



69.4288, 0.3179, 0.4162



20.3293, 0.2993, 0.3339



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

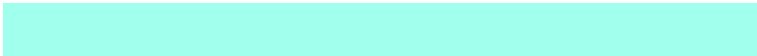


# Same Dimension

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



70.4077, 0.2757, 0.3445



85.2151, 0.2689, 0.3484



59.8540, 0.2658, 0.3031



16.2886, 0.3006, 0.3333



34.1072, 0.2412, 0.3883



2.5322, 0.2385, 0.3786



# Inverse Universe

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



45.7200, 0.3690, 0.3143



49.8407, 0.3866, 0.3110



53.3223, 0.3745, 0.3534



14.4110, 0.3264, 0.3247



9.6327, 0.6112, 0.3141

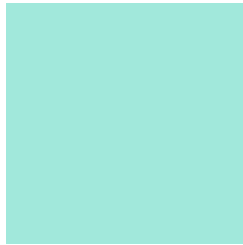


0.7243, 0.5724, 0.2927



# Previews

## White Background



This preview shows how the Yxy color 70.4048, 0.2757, 0.3445 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

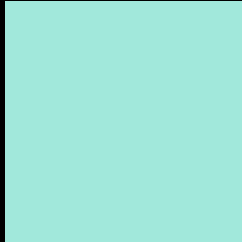
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.4048, 0.2757, 0.3445 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

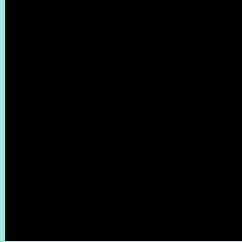
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

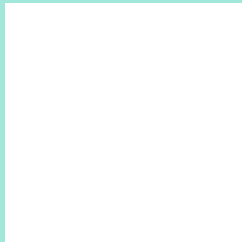
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.4048, 0.2757, 0.3445**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.4048, 0.2757, 0.3445.

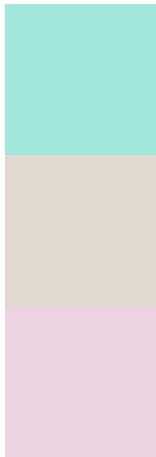


This preview shows how white text looks on a background with the Yxy color 70.4048, 0.2757, 0.3445.

# 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

70.4048, 0.2757, 0.3445

### Protanopia

69.9668, 0.3218, 0.3367

### Deuteranopia

69.7491, 0.3230, 0.3164



## Tritanopia

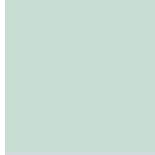
70.3561, 0.2642, 0.3082

# Trichromacy



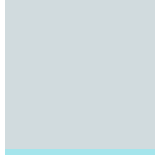
## Original Color

70.4048, 0.2757, 0.3445



## Protanomaly

69.3260, 0.3032, 0.3393



## Deuteranomaly

69.4923, 0.3037, 0.3256



## Tritanomaly

70.0941, 0.2685, 0.3207

# Monochromacy



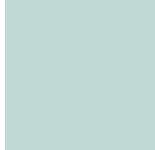
## Original Color

70.4048, 0.2757, 0.3445



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

65.6363, 0.2977, 0.3336

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4048, 0.2757, 0.3445 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(161, 232, 219)` looks like.

```
.text, #text, p{  
    color:rgb(161, 232, 219)  
}
```

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(161, 232, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 232, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4048, 0.2757, 0.3445 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(161, 232, 219) }
```

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

```
.border{ border-color:rgb(161, 232, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 232, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 232, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 232, 219);  
box-shadow:4px 4px 4px 4px rgb(161, 232,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4048, 0.2757, 0.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 232, 219) }
```

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

```
.background{ background-color: rgb(161,  
232, 219) }
```

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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