

# Converting Colors

$Yxy(70.0951, 0.2759, 0.3348)$

Have a look what the booklet for  
Yxy(70.0951, 0.2759, 0.3348)  
contains.

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# Color

**Yxy(70.2454, 0.2756, 0.3348)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7E6E1
RGB	167, 230, 225
RGB Percent	65%, 90%, 88%
CMY	0.3451, 0.0980, 0.1177
CMYK	0.27, 0.00, 0.02, 0.10
HSL	175°, 56%, 78%
HSV	175°, 27%, 90%
XYZ	57.8245, 70.2454, 81.7432
YIQ	210.5930, -35.9430, -14.9110

# Conversions

## Conversions Part 2

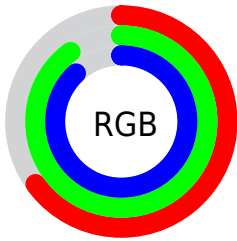
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 200, 230
Decimal	11003617
CIELab	87.12, -20.80, -3.98
CIELCh	87, 21.178, 190.843
Yxy	70.2454, 0.2756, 0.3348
Android (android.graphics.Color)	4289193697 (0xFFA7E6E1)
YUV	210.5930, 7.1027, -38.2311
Hunter-Lab	83.8125, -23.5201, 0.8427

# Details

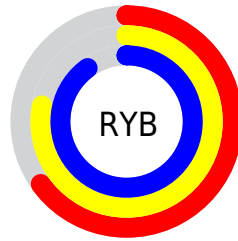
The Yxy color **70.2454, 0.2756, 0.3348** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.4434, 0.3674, 0.3234**, and the grayscale version is **64.8316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **36.6851, 0.2668, 0.3351** is the 20% darker color. If you saturate the color by 10%, you get **67.8626, 0.2641, 0.3372**, and if you desaturate by 10%, it is **73.0804, 0.2884, 0.3325**.

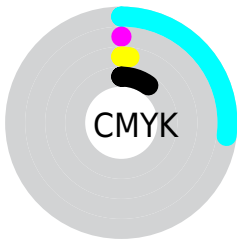
# Distribution



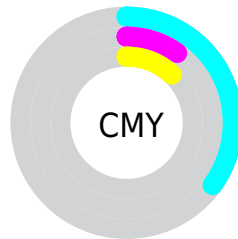
- Red (65%)
- Green (90%)
- Blue (88%)



- Red (65%)
- Yellow (78%)
- Blue (90%)



- Cyan (27%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)




- Cyan (35%)
- Magenta (10%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2454, 0.2756, 0.3348 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 70.2454, 0.2756, 0.3348 by changing the saturation by 10% instead.




 70.2454, 0.2756,  
0.3348


 70.2454, 0.2756,  
0.3348


461.4112, 0.2927,  
0.3323

 51.7266, 0.2717,  
0.3353


 119.5586, 0.2815,  
0.3340

 36.7872, 0.2669,  
0.3360


 151.1219, 0.2839,  
0.3336

 25.0428, 0.2608,  
0.3367


187.8021, 0.2858,  
0.3333

 16.1089, 0.2528,  
0.3377

229.9837, 0.2876,  
0.3331

 9.6013, 0.2420,  
0.3388

278.0509, 0.2891,  
0.3329

 5.1354, 0.2265,  
0.3402

332.3884, 0.2905,

 2.3269, 0.2026,

0.3326

0.3418

393.3803, 0.2917,  
0.3325

0.7879, 0.1108,  
0.3621

0.0000, 0.0000,  
0.0000

70.2454, 0.2756,  
0.3348

70.2454, 0.2756,  
0.3348

67.8626, 0.2641,  
0.3372

73.0804, 0.2884,  
0.3325

65.9000, 0.2541,  
0.3398

76.3810, 0.3021,  
0.3304


64.3344, 0.2458,  
0.3424


80.1704, 0.3165,  
0.3285

63.1375, 0.2395,  
0.3451

83.6993, 0.3285,  
0.3268

 62.2766, 0.2351,  
0.3478

 83.8039, 0.3273,  
0.3250


 61.7137, 0.2326,  
0.3505


 83.9096, 0.3261,  
0.3232

 61.3983, 0.2317,  
0.3532

 84.0163, 0.3249,  
0.3214

 61.3354, 0.2316,  
0.3539

 84.1241, 0.3237,  
0.3196

 84.2331, 0.3225,  
0.3178

# Harmonies

## Analogous

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



70.2454, 0.2963, 0.3579



70.2454, 0.2756, 0.3348



70.2454, 0.2648, 0.3110

# Triad

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



70.2454, 0.2756, 0.3348



70.2454, 0.3018, 0.2896



70.2454, 0.3612, 0.3627

# Complementary

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



70.2454, 0.2756, 0.3348



47.4434, 0.3674, 0.3234

# 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.



70.2454, 0.3631, 0.3436



70.2454, 0.2756, 0.3348



70.2454, 0.3281, 0.3025

# Square

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



70.2454, 0.2756, 0.3348



70.2454, 0.2794, 0.2862



70.2454, 0.3508, 0.3218



70.2454, 0.3459, 0.3739

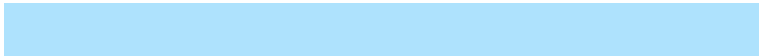


# Rectangle

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



70.2454, 0.2756, 0.3348



70.2454, 0.2643, 0.2984



70.2454, 0.3508, 0.3218



70.2454, 0.3635, 0.3570

# Sweetspot

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



70.2482, 0.2756, 0.3348



96.2302, 0.3012, 0.3306



68.1859, 0.3125, 0.4071



20.4551, 0.2991, 0.3309



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.



70.2482, 0.2756, 0.3348



86.9579, 0.2688, 0.3362



56.9996, 0.2697, 0.2970



16.3156, 0.2992, 0.3309



34.7320, 0.2315, 0.3535



2.5725, 0.2304, 0.3496



# Inverse Universe

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



47.4434, 0.3674, 0.3234



53.5249, 0.3838, 0.3222



57.8675, 0.3643, 0.3589



14.3865, 0.3280, 0.3272



9.5564, 0.6311, 0.3250

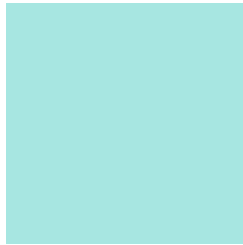


0.7127, 0.6083, 0.3125



# Previews

## White Background



This preview shows how the Yxy color 70.2454, 0.2756, 0.3348 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

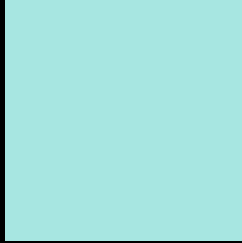
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.2454, 0.2756, 0.3348 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

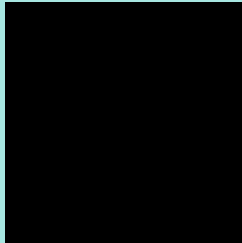
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

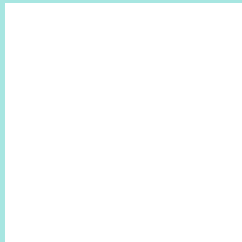
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.2454, 0.2756, 0.3348**

## Background



This preview shows how black text looks on a background with the Yxy color 70.2454, 0.2756, 0.3348.

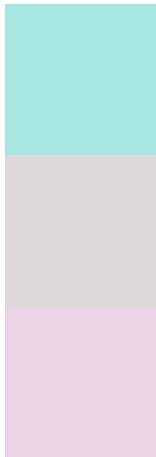


This preview shows how white text looks on a background with the Yxy color 70.2454, 0.2756, 0.3348.

# 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

70.2454, 0.2756, 0.3348

### Protanopia

69.4936, 0.3157, 0.3279

### Deuteranopia

69.5693, 0.3166, 0.3100



## Tritanopia

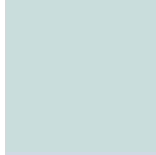
70.1887, 0.2668, 0.3083

# Trichromacy



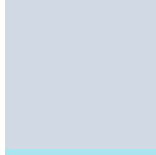
## Original Color

70.2454, 0.2756, 0.3348



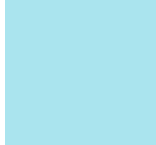
## Protanomaly

69.2977, 0.2994, 0.3301



## Deuteranomaly

69.2996, 0.2999, 0.3179



## Tritanomaly

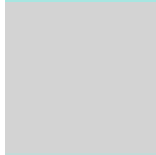
70.2059, 0.2701, 0.3173

# Monochromacy



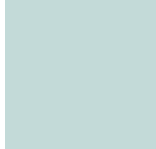
## Original Color

70.2454, 0.2756, 0.3348



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

66.7028, 0.2978, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.2454, 0.2756, 0.3348 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(167, 230, 225)` looks like.

```
.text, #text, p{  
    color:rgb(167, 230, 225)  
}
```

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(167, 230, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 230, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2454, 0.2756, 0.3348 is called "border". The border property can be set on classes, ids or directly on the HTML element.

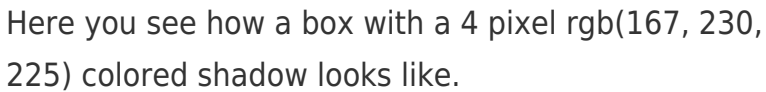
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 230, 225) }
```

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

```
.border{ border-color:rgb(167, 230, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 230, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 230, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 230, 225); box-shadow:4px 4px 4px 4px rgb(167, 230, 225) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.2454, 0.2756, 0.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 230, 225) }
```

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

```
.background{ background-color: rgb(167,  
230, 225) }
```

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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