

# Converting Colors

$Yxy(69.4395, 0.2874, 0.3634)$

Have a look what the booklet for  
Yxy(69.4395, 0.2874, 0.3634)  
contains.

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# Color

**Yxy(69.5706, 0.2874, 0.3630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6E7CB
RGB	166, 231, 203
RGB Percent	65%, 91%, 80%
CMY	0.3489, 0.0941, 0.2041
CMYK	0.28, 0.00, 0.12, 0.09
HSL	154°, 58%, 78%
HSV	154°, 28%, 91%
XYZ	55.0815, 69.5706, 67.0024
YIQ	208.3730, -29.7520, -22.4880

# Conversions

## Conversions Part 2

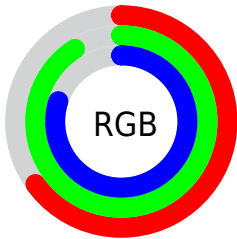
Format	Color
<b>RYB</b>	166, 207, 231
Decimal	10938315
CIELab	86.79, -26.18, 7.10
CIELCh	87, 27.127, 164.821
Yxy	69.5706, 0.2874, 0.3630
Android (android.graphics.Color)	4289128395 (0xFFA6E7CB)
YUV	208.3730, -2.6489, -37.1611
Hunter-Lab	83.4090, -28.0882, 10.7586

# Details

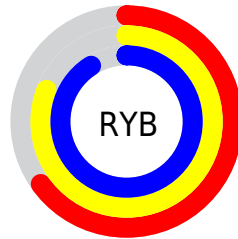
The Yxy color **69.5706, 0.2874, 0.3630** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **48.1692, 0.3480, 0.2975**, and the grayscale version is **63.3664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **36.2746, 0.2808, 0.3713** is the 20% darker color. If you saturate the color by 10%, you get **66.8367, 0.2796, 0.3774**, and if you desaturate by 10%, it is **72.7892, 0.2960, 0.3498**.

# Distribution



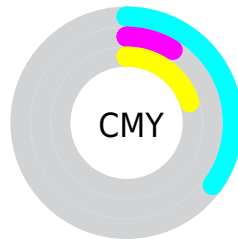
- Red (65%)
- Green (91%)
- Blue (80%)



- Red (65%)
- Yellow (81%)
- Blue (91%)



- Cyan (28%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)




- Cyan (35%)
- Magenta (9%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5706, 0.2874, 0.3630 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 69.5706, 0.2874, 0.3630 by changing the saturation by 10% instead.





 69.5706, 0.2874,  
0.3630


 69.5706, 0.2874,  
0.3630


459.0409, 0.2994,  
0.3467

 51.1765, 0.2846,  
0.3669


 118.5962, 0.2916,  
0.3573

 36.3491, 0.2811,  
0.3717


 149.9965, 0.2932,  
0.3550

 24.7040, 0.2766,  
0.3779


186.5011, 0.2946,  
0.3532

 15.8566, 0.2706,  
0.3863

228.4942, 0.2958,  
0.3515

 9.4228, 0.2622,  
0.3981

276.3604, 0.2969,  
0.3501

 5.0179, 0.2498,  
0.4160

330.4840, 0.2978,

 2.2578, 0.2293,

0.3489

0.4461

391.2493, 0.2987,  
0.3477

0.7512, 0.0653,  
0.6547

0.0000, 0.0000,  
0.0000

69.5706, 0.2874,  
0.3630

69.5706, 0.2874,  
0.3630

66.8367, 0.2796,  
0.3774

72.7892, 0.2960,  
0.3498

64.5542, 0.2729,  
0.3929


76.5067, 0.3051,  
0.3378

62.6994, 0.2677,  
0.4092


80.7471, 0.3145,  
0.3271


61.2422, 0.2643,  
0.4260

84.8747, 0.3215,  
0.3175


 60.1491, 0.2628,  
0.4431

 85.4929, 0.3152,  
0.3079

 59.3803, 0.2634,  
0.4599

 85.6335, 0.3138,  
0.3058

 58.8801, 0.2659,  
0.4762

 58.8010, 0.2664,  
0.4792

# Harmonies

## Analogous

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



69.5706, 0.3198, 0.3840



69.5706, 0.2874, 0.3630



69.5706, 0.2627, 0.3319

# Triad

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



69.5706, 0.2874, 0.3630



69.5706, 0.2733, 0.2745



69.5706, 0.3785, 0.3505

# Complementary

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



69.5706, 0.2874, 0.3630



48.1692, 0.3480, 0.2975

# 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.



69.5706, 0.3649, 0.3231



69.5706, 0.2874, 0.3630



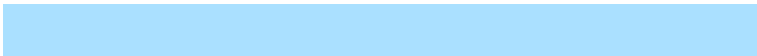
69.5706, 0.3029, 0.2807

# Square

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



69.5706, 0.2874, 0.3630



69.5706, 0.2549, 0.2816



69.5706, 0.3366, 0.2981



69.5706, 0.3732, 0.3744



# Rectangle

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



69.5706, 0.2874, 0.3630



69.5706, 0.2533, 0.3111



69.5706, 0.3366, 0.2981



69.5706, 0.3760, 0.3415

# Sweetspot

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



69.5735, 0.2874, 0.3630



95.7801, 0.3052, 0.3377



71.4012, 0.3282, 0.4057



20.3412, 0.3038, 0.3395



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

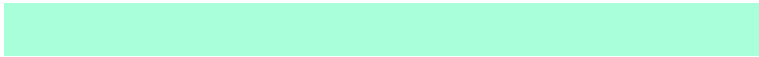


# Same Dimension

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



69.5735, 0.2874, 0.3630



84.9182, 0.2826, 0.3716



68.6380, 0.2714, 0.3238



16.2258, 0.3039, 0.3393



32.9891, 0.2657, 0.4766



2.4563, 0.2591, 0.4529



# Inverse Universe

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



48.1692, 0.3480, 0.2975



53.8184, 0.3583, 0.2904



48.6273, 0.3730, 0.3342



14.4707, 0.3225, 0.3189



10.0604, 0.5242, 0.2662

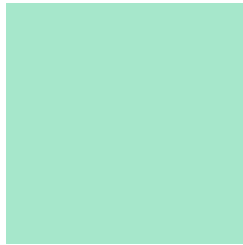


0.7618, 0.4873, 0.2458



# Previews

## White Background



This preview shows how the Yxy color 69.5706, 0.2874, 0.3630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

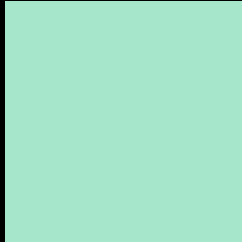
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.5706, 0.2874, 0.3630 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

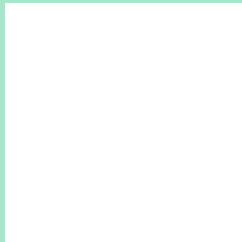
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.5706, 0.2874, 0.3630**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5706, 0.2874, 0.3630.

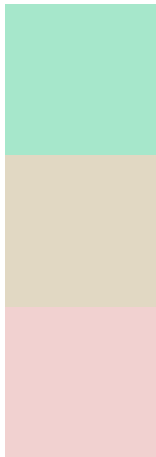


This preview shows how white text looks on a background with the Yxy color 69.5706, 0.2874, 0.3630.

# 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

69.5706, 0.2874, 0.3630

### Protanopia

69.0594, 0.3339, 0.3523

### Deuteranopia

68.8558, 0.3378, 0.3301



## Tritanopia

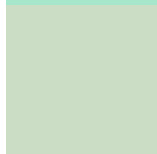
69.3202, 0.2693, 0.3083

# Trichromacy



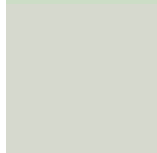
## Original Color

69.5706, 0.2874, 0.3630



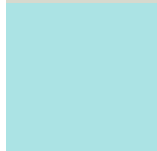
## Protanomaly

68.6275, 0.3157, 0.3555



## Deuteranomaly

68.3781, 0.3180, 0.3414



## Tritanomaly

69.1975, 0.2760, 0.3277

# Monochromacy



## Original Color

69.5706, 0.2874, 0.3630



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

64.9054, 0.3029, 0.3408

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5706, 0.2874, 0.3630 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, 231, 203)` looks like.

```
.text, #text, p{  
    color:rgb(166, 231, 203)  
}
```

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, 231, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 231, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5706, 0.2874, 0.3630 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, 231, 203) }
```

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

```
.border{ border-color:rgb(166, 231, 203) }
```

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

Here you see how a box with a 4 pixel rgb(166, 231, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 231, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 231, 203);  
box-shadow:4px 4px 4px 4px rgb(166, 231,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5706, 0.2874, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 231, 203) }
```

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

```
.background{ background-color: rgb(166,  
231, 203) }
```

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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