

# Converting Colors

$Yxy(67.9121, 0.2885, 0.3571)$

Have a look what the booklet for  
Yxy(67.9121, 0.2885, 0.3571)  
contains.

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# Color

**Yxy(67.7328, 0.2884, 0.3569)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9E3CC
RGB	169, 227, 204
RGB Percent	66%, 89%, 80%
CMY	0.3372, 0.1098, 0.2000
CMYK	0.26, 0.00, 0.10, 0.11
HSL	156°, 51%, 78%
HSV	156°, 26%, 89%
XYZ	54.7328, 67.7328, 67.3153
YIQ	207.0360, -27.1850, -19.4490

# Conversions

## Conversions Part 2

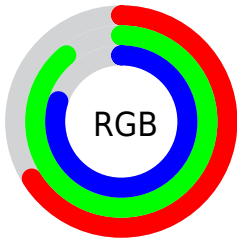
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 205, 227
Decimal	11133900
CIELab	85.87, -23.13, 5.26
CIElCh	86, 23.717, 167.176
Yxy	67.7328, 0.2884, 0.3569
Android (android.graphics.Color)	4289323980 (0xFFA9E3CC)
YUV	207.0360, -1.4967, -33.3576
Hunter-Lab	82.2999, -25.3151, 9.1151

# Details

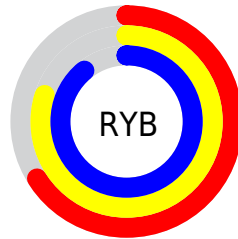
The Yxy color **67.7328, 0.2884, 0.3569** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.5203, 0.3457, 0.3028**, and the grayscale version is **62.4477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **34.9727, 0.2819, 0.3632** is the 20% darker color. If you saturate the color by 10%, you get **65.0190, 0.2800, 0.3698**, and if you desaturate by 10%, it is **70.9130, 0.2976, 0.3451**.

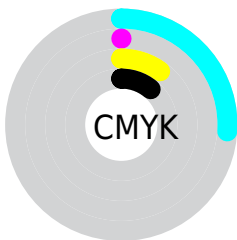
# Distribution



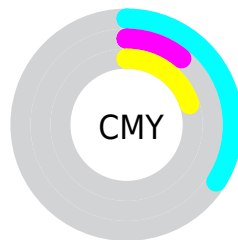
- Red (66%)
- Green (89%)
- Blue (80%)



- Red (66%)
- Yellow (80%)
- Blue (89%)



- Cyan (26%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)



- Cyan (34%)
- Magenta (11%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7328, 0.2884, 0.3569 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 67.7328, 0.2884, 0.3569 by changing the saturation by 10% instead.




 67.7328, 0.2884,  
0.3569

 67.7328, 0.2884,  
0.3569

452.5487, 0.2999,  
0.3436

 49.6804, 0.2857,  
0.3601

 115.9698, 0.2925,  
0.3522

 35.1595, 0.2823,  
0.3640


146.9232, 0.2940,  
0.3504

 23.7858, 0.2780,  
0.3691


182.9457, 0.2953,  
0.3488

 15.1748, 0.2722,  
0.3760

224.4217, 0.2965,  
0.3475

 8.9421, 0.2642,  
0.3857

271.7356, 0.2975,  
0.3463

 4.7035, 0.2522,  
0.4004

325.2718, 0.2984,

 2.0743, 0.2325,

0.3453

385.4147, 0.2992,  
0.3444

0.4252

0.6501, 0.0512,  
0.6231

0.0000, 0.0000,  
0.0000

67.7328, 0.2884,  
0.3569

67.7328, 0.2884,  
0.3569

65.0190, 0.2800,  
0.3698

70.9130, 0.2976,  
0.3451

62.7404, 0.2726,  
0.3836


74.5725, 0.3072,  
0.3344

60.8747, 0.2667,  
0.3983

78.7342, 0.3171,  
0.3249

59.3943, 0.2625,  
0.4136

82.4913, 0.3237,  
0.3162


 58.2683, 0.2602,  
0.4292

 83.0399, 0.3178,  
0.3076

 57.4604, 0.2600,  
0.4447

 83.4189, 0.3140,  
0.3019

 56.9264, 0.2617,  
0.4598

 56.7438, 0.2629,  
0.4665

# Harmonies

## Analogous

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



67.7328, 0.3168, 0.3763



67.7328, 0.2884, 0.3569



67.7328, 0.2671, 0.3295

# Triad

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



67.7328, 0.2884, 0.3569



67.7328, 0.2797, 0.2806



67.7328, 0.3709, 0.3502

# Complementary

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



67.7328, 0.2884, 0.3569



48.5203, 0.3457, 0.3028

# 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.



67.7328, 0.3602, 0.3258



67.7328, 0.2884, 0.3569



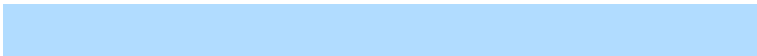
67.7328, 0.3064, 0.2869

# Square

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



67.7328, 0.2884, 0.3569



67.7328, 0.2623, 0.2861



67.7328, 0.3361, 0.3032



67.7328, 0.3651, 0.3707



# Rectangle

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



67.7328, 0.2884, 0.3569



67.7328, 0.2594, 0.3115



67.7328, 0.3361, 0.3032



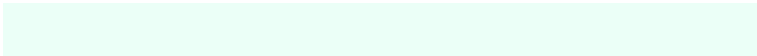
67.7328, 0.3691, 0.3422

# Sweetspot

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



67.7356, 0.2884, 0.3569



95.8239, 0.3048, 0.3370



69.0382, 0.3255, 0.3982



20.3523, 0.3033, 0.3386



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

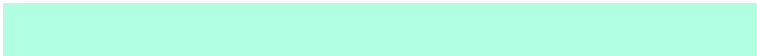


# Same Dimension

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



67.7356, 0.2884, 0.3569



86.1067, 0.2835, 0.3641



65.8033, 0.2747, 0.3220



16.2345, 0.3034, 0.3385



33.1163, 0.2623, 0.4642



2.4654, 0.2562, 0.4423



# Inverse Universe

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



48.5203, 0.3457, 0.3028



56.8111, 0.3554, 0.2967



49.7849, 0.3652, 0.3359



14.4622, 0.3230, 0.3197



9.9767, 0.5386, 0.2741

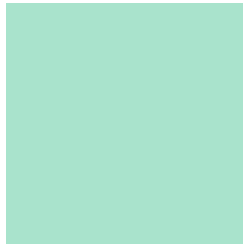


0.7551, 0.4998, 0.2527



# Previews

## White Background



This preview shows how the Yxy color 67.7328, 0.2884, 0.3569 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

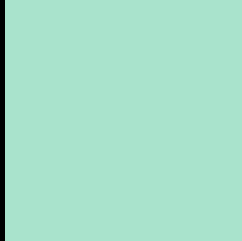
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.7328, 0.2884, 0.3569 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

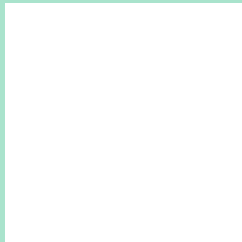
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.7328, 0.2884, 0.3569**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.7328, 0.2884, 0.3569.

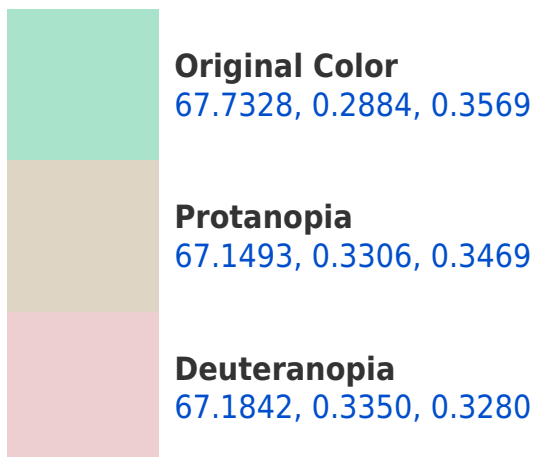


This preview shows how white text looks on a background with the Yxy color 67.7328, 0.2884, 0.3569.

# 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

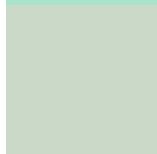
67.7639, 0.2717, 0.3082

# Trichromacy



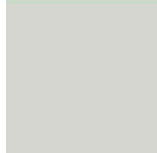
## Original Color

67.7328, 0.2884, 0.3569



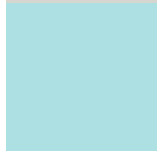
## Protanomaly

67.0094, 0.3139, 0.3498



## Deuteranomaly

66.5952, 0.3160, 0.3369



## Tritanomaly

67.7416, 0.2774, 0.3254

# Monochromacy



## Original Color

67.7328, 0.2884, 0.3569



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

63.8868, 0.3029, 0.3384

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.7328, 0.2884, 0.3569 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(169, 227, 204)` looks like.

```
.text, #text, p{  
    color:rgb(169, 227, 204)  
}
```

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(169, 227, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 227, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 67.7328, 0.2884, 0.3569 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(169, 227, 204) }
```

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

```
.border{ border-color:rgb(169, 227, 204) }
```

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

Here you see how a box with a 4 pixel rgb(169, 227, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 227, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 227, 204);  
box-shadow:4px 4px 4px 4px rgb(169, 227,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.7328, 0.2884, 0.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 227, 204) }
```

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

```
.background{ background-color: rgb(169,  
227, 204) }
```

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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