

# Converting Colors

$Yxy(68.6283, 0.2764, 0.3288)$

Have a look what the booklet for  
Yxy(68.6283, 0.2764, 0.3288)  
contains.

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# Color

**Yxy(68.4297, 0.2764, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAE2E2
RGB	170, 226, 226
RGB Percent	67%, 89%, 89%
CMY	0.3332, 0.1137, 0.1138
CMYK	0.25, 0.00, 0.00, 0.11
HSL	180°, 49%, 78%
HSV	180°, 25%, 89%
XYZ	57.5067, 68.4297, 82.1198
YIQ	209.2560, -33.3760, -11.8720

# Conversions

## Conversions Part 2

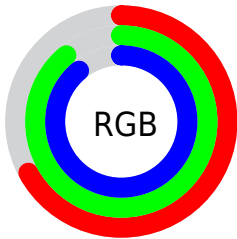
Format	Color
<a href="#">RYB</a>	170, 198, 226
Decimal	11199202
CIELab	86.22, -17.71, -5.81
CIELCh	86, 18.642, 198.152
Yxy	68.4297, 0.2764, 0.3289
Android (android.graphics.Color)	4289389282 (0xFFAAE2E2)
YUV	209.2560, 8.2548, -34.4275
Hunter-Lab	82.7222, -20.6745, -0.9526

# Details

The Yxy color **68.4297, 0.2764, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.8388, 0.3647, 0.3291**, and the grayscale version is **63.9042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **35.7791, 0.2676, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **66.1255, 0.2638, 0.3289**, and if you desaturate by 10%, it is **71.1724, 0.2904, 0.3289**.

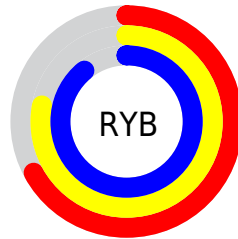
# Distribution



Red (67%)

Green (89%)

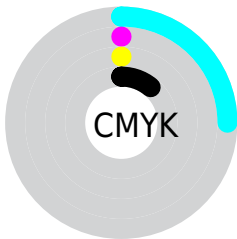
Blue (89%)



Red (67%)

Yellow (78%)

Blue (89%)

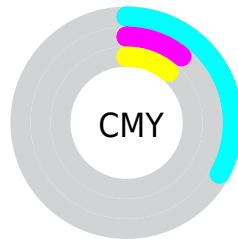


Cyan (25%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (33%)

Magenta (11%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4297, 0.2764, 0.3289 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 68.4297, 0.2764, 0.3289 by changing the saturation by 10% instead.



68.4297, 0.2764,  
0.3289

68.4297, 0.2764,  
0.3289

455.0170, 0.2932,  
0.3292

50.2474, 0.2726,  
0.3288

116.9666, 0.2822,  
0.3290

35.6100, 0.2678,  
0.3286

148.0901, 0.2845,  
0.3291

24.1332, 0.2618,  
0.3283

184.2960, 0.2865,  
0.3291

15.4324, 0.2539,  
0.3279

225.9688, 0.2882,  
0.3291

9.1234, 0.2432,  
0.3272

273.4930, 0.2897,  
0.3292

4.8218, 0.2277,  
0.3257

327.2527, 0.2910,

2.1431, 0.2037,

0.3292

387.6326, 0.2922,  
0.3292

0.3227

0.6887, 0.1068,  
0.3311

0.0000, 0.0000,  
0.0000

68.4297, 0.2764,  
0.3289

68.4297, 0.2764,  
0.3289

66.1255, 0.2638,  
0.3289

71.1724, 0.2904,  
0.3289

64.2294, 0.2527,  
0.3288


74.3659, 0.3053,  
0.3290

62.7201, 0.2434,  
0.3288


78.0321, 0.3210,  
0.3290

61.5708, 0.2360,  
0.3288


81.1421, 0.3332,  
0.3291

 60.7518, 0.2306,  
0.3288


 81.1423, 0.3332,  
0.3291

 60.2281, 0.2271,  
0.3288


 81.1425, 0.3332,  
0.3291

 59.9573, 0.2252,  
0.3288

 81.1427, 0.3332,  
0.3290

 59.8801, 0.2247,  
0.3288

 81.1428, 0.3332,  
0.3290

 81.1430, 0.3332,  
0.3290

# Harmonies

## Analogous

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



68.4297, 0.2931, 0.3501



68.4297, 0.2764, 0.3289



68.4297, 0.2693, 0.3087

# Triad

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



68.4297, 0.2764, 0.3289



68.4297, 0.3087, 0.2959



68.4297, 0.3534, 0.3623

# Complementary

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



68.4297, 0.2764, 0.3289



47.8388, 0.3647, 0.3291

# 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.



68.4297, 0.3582, 0.3467



68.4297, 0.2764, 0.3289



68.4297, 0.3319, 0.3091

# Square

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



68.4297, 0.2764, 0.3289



68.4297, 0.2874, 0.2907



68.4297, 0.3502, 0.3274



68.4297, 0.3376, 0.3696



# Rectangle

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



68.4297, 0.2764, 0.3289



68.4297, 0.2707, 0.2987



68.4297, 0.3502, 0.3274



68.4297, 0.3564, 0.3578

# Sweetspot

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



68.4325, 0.2764, 0.3289



96.7702, 0.3018, 0.3290



65.9504, 0.3101, 0.3990



20.6563, 0.3009, 0.3290



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.



68.4325, 0.2764, 0.3289



88.2635, 0.2693, 0.3289



54.8673, 0.2735, 0.2958



15.5724, 0.2982, 0.3290



34.1627, 0.2247, 0.3288



2.3680, 0.2247, 0.3288



# Inverse Universe

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



47.8388, 0.3647, 0.3291



56.5350, 0.3805, 0.3292



59.0449, 0.3573, 0.3600



13.7006, 0.3292, 0.3290



9.2243, 0.6401, 0.3300

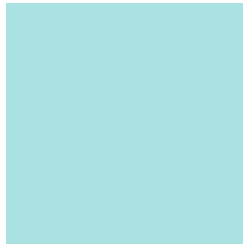


0.6394, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 68.4297, 0.2764, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

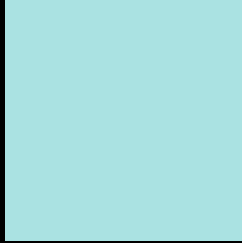
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.4297, 0.2764, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

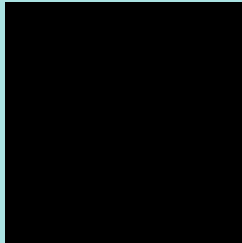
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.4297, 0.2764, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.4297, 0.2764, 0.3289.



This preview shows how white text looks on a background with the Yxy color 68.4297, 0.2764, 0.3289.

# 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

68.4297, 0.2764, 0.3289

### Protanopia

68.1130, 0.3122, 0.3235

### Deuteranopia

67.9721, 0.3130, 0.3066



## Tritanopia

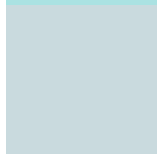
68.6064, 0.2692, 0.3082

# Trichromacy



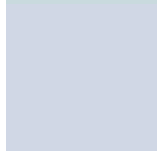
## Original Color

68.4297, 0.2764, 0.3289



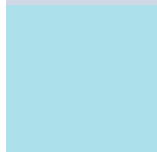
## Protanomaly

67.8342, 0.2982, 0.3244



## Deuteranomaly

67.6679, 0.2985, 0.3134



## Tritanomaly

68.6772, 0.2719, 0.3161

# Monochromacy



## Original Color

68.4297, 0.2764, 0.3289



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

65.1093, 0.2985, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.4297, 0.2764, 0.3289 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(170, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(170, 226, 226)  
}
```

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(170, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 226, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 68.4297, 0.2764, 0.3289 is called "border". The border property can be set on classes, ids or directly on the HTML element.

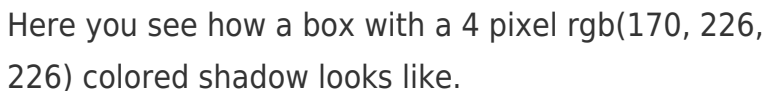
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 226, 226) }
```

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

```
.border{ border-color:rgb(170, 226, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 226, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 226, 226); box-shadow:4px 4px 4px 4px rgb(170, 226, 226) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.4297, 0.2764, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 226, 226) }
```

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

```
.background{ background-color: rgb(170,  
226, 226) }
```

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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