

# Converting Colors

$Yxy(68.4425, 0.2676, 0.3321)$

Have a look what the booklet for  
Yxy(68.4425, 0.2676, 0.3321)  
contains.

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# Color

**Yxy(68.3996, 0.2677, 0.3325)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AE5E2
RGB	154, 229, 226
RGB Percent	60%, 90%, 89%
CMY	0.3961, 0.1019, 0.1138
CMYK	0.33, 0.00, 0.01, 0.10
HSL	178°, 59%, 75%
HSV	178°, 33%, 90%
XYZ	55.0694, 68.3996, 82.2441
YIQ	206.2330, -43.7370, -16.8330

# Conversions

## Conversions Part 2

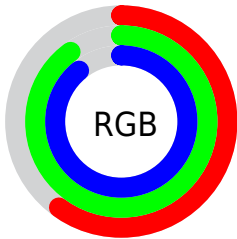
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 192, 229
Decimal	10151394
CIELab	86.21, -23.71, -5.93
CIELCh	86, 24.440, 194.031
Yxy	68.3996, 0.2677, 0.3325
Android (android.graphics.Color)	4288341474 (0xFF9AE5E2)
YUV	206.2330, 9.7451, -45.8083
Hunter-Lab	82.7041, -25.8759, -1.0674

# Details

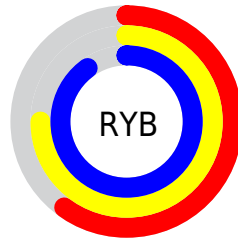
The Yxy color **68.3996, 0.2677, 0.3325** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.1998, 0.3856, 0.3257**, and the grayscale version is **61.8347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **35.4801, 0.2568, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **66.3154, 0.2566, 0.3337**, and if you desaturate by 10%, it is **70.9182, 0.2802, 0.3313**.

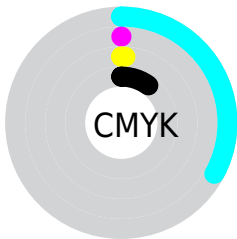
# Distribution



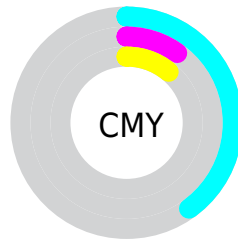
- Red (60%)
- Green (90%)
- Blue (89%)



- Red (60%)
- Yellow (75%)
- Blue (90%)



- Cyan (33%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)




- Cyan (40%)
- Magenta (10%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3996, 0.2677, 0.3325 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 68.3996, 0.2677, 0.3325 by changing the saturation by 10% instead.





 68.3996, 0.2677,  
0.3325

 68.3996, 0.2677,  
0.3325


454.9105, 0.2885,  
0.3312

 50.2229, 0.2630,  
0.3327


 116.9236, 0.2749,  
0.3321

 35.5905, 0.2571,  
0.3330


 148.0397, 0.2777,  
0.3319

 24.1181, 0.2497,  
0.3332


184.2377, 0.2801,  
0.3318

 15.4213, 0.2400,  
0.3334

225.9021, 0.2823,  
0.3316

 9.1156, 0.2269,  
0.3335

273.4171, 0.2841,  
0.3315

 4.8166, 0.2082,  
0.3331

327.1673, 0.2857,

 2.1401, 0.1796,

0.3314

387.5370, 0.2872,  
0.3313

0.3314

0.6870, 0.0383,  
0.3546

0.0000, 0.0000,  
0.0000

68.3996, 0.2677,  
0.3325

68.3996, 0.2677,  
0.3325

66.3154, 0.2566,  
0.3337

70.9182, 0.2802,  
0.3313

64.6329, 0.2473,  
0.3350

73.8854, 0.2940,  
0.3303

63.3279, 0.2398,  
0.3363

77.3250, 0.3086,  
0.3293

62.3703, 0.2342,  
0.3377

81.2566, 0.3238,  
0.3284

■ 61.7252, 0.2306,  
0.3390

■ 83.0501, 0.3298,  
0.3275

■ 61.3507, 0.2287,  
0.3403

■ 83.1021, 0.3291,  
0.3266

■ 61.2000, 0.2281,  
0.3413

■ 83.1545, 0.3285,  
0.3257

■ 83.2071, 0.3279,  
0.3247

■ 83.2600, 0.3273,  
0.3238

# Harmonies

## Analogous

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



68.3996, 0.2906, 0.3603



68.3996, 0.2677, 0.3325



68.3996, 0.2568, 0.3052

# Triad

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



68.3996, 0.2677, 0.3325



68.3996, 0.3031, 0.2847



68.3996, 0.3679, 0.3699

# Complementary

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



68.3996, 0.2677, 0.3325



42.1998, 0.3856, 0.3257

# 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.



68.3996, 0.3721, 0.3482



68.3996, 0.2677, 0.3325



68.3996, 0.3337, 0.3004

# Square

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



68.3996, 0.2677, 0.3325



68.3996, 0.2764, 0.2794



68.3996, 0.3594, 0.3231



68.3996, 0.3485, 0.3819

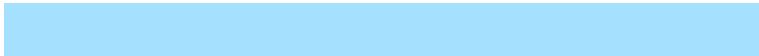


# Rectangle

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



68.3996, 0.2677, 0.3325



68.3996, 0.2573, 0.2914



68.3996, 0.3594, 0.3231



68.3996, 0.3712, 0.3634

# Sweetspot

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



68.4023, 0.2677, 0.3325



95.4145, 0.2978, 0.3300



65.6182, 0.3106, 0.4255



20.2954, 0.2958, 0.3301



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.



68.4023, 0.2677, 0.3325



85.5082, 0.2604, 0.3333



51.6674, 0.2608, 0.2865



16.3259, 0.2987, 0.3299



34.9927, 0.2281, 0.3410



2.5890, 0.2275, 0.3391



# Inverse Universe

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



42.1998, 0.3856, 0.3257



47.4085, 0.4070, 0.3251



54.8497, 0.3760, 0.3678



14.3773, 0.3286, 0.3281



9.5400, 0.6357, 0.3275

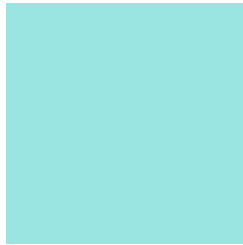


0.7083, 0.6234, 0.3208



# Previews

## White Background



This preview shows how the Yxy color 68.3996, 0.2677, 0.3325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

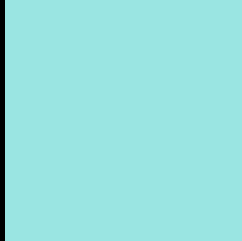
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.3996, 0.2677, 0.3325 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

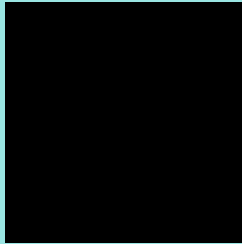
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.3996, 0.2677, 0.3325**

## Background



This preview shows how black text looks on a background with the Yxy color 68.3996, 0.2677, 0.3325.

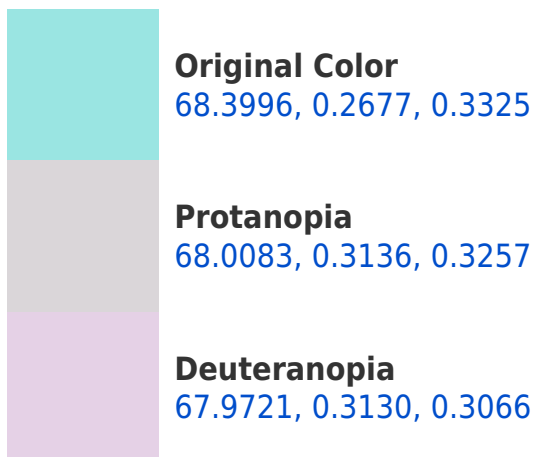


This preview shows how white text looks on a background with the Yxy color 68.3996, 0.2677, 0.3325.

# 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

68.1935, 0.2601, 0.3078

# Trichromacy



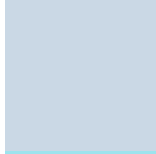
## Original Color

68.3996, 0.2677, 0.3325



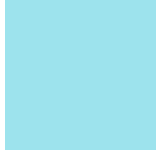
## Protanomaly

67.4324, 0.2953, 0.3278



## Deuteranomaly

67.3254, 0.2944, 0.3143



## Tritanomaly

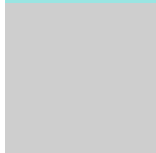
68.2207, 0.2633, 0.3170

# Monochromacy



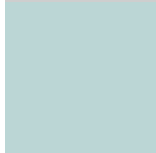
## Original Color

68.3996, 0.2677, 0.3325



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

63.4620, 0.2942, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.3996, 0.2677, 0.3325 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(154, 229, 226)` looks like.

```
.text, #text, p{  
    color:rgb(154, 229, 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(154, 229, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 229, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 68.3996, 0.2677, 0.3325 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(154, 229, 226) }
```

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

```
.border{ border-color:rgb(154, 229, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 229, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 229, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 229, 226); box-shadow:4px 4px 4px 4px rgb(154, 229, 226) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.3996, 0.2677, 0.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 229, 226) }
```

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

```
.background{ background-color: rgb(154,  
229, 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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