

# Converting Colors

$Yxy(67.9145, 0.2816, 0.3318)$

Have a look what the booklet for  
Yxy(67.9145, 0.2816, 0.3318)  
contains.

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# Color

**Yxy(67.6992, 0.2815, 0.3313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFE0DE
RGB	175, 224, 222
RGB Percent	69%, 88%, 87%
CMY	0.3136, 0.1216, 0.1295
CMYK	0.22, 0.00, 0.01, 0.12
HSL	178°, 44%, 78%
HSV	178°, 22%, 88%
XYZ	57.5229, 67.6992, 79.1220
YIQ	209.1210, -28.5620, -11.0100

# Conversions

## Conversions Part 2

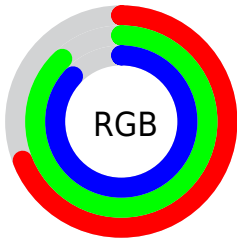
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 200, 224
Decimal	11526366
CIELab	85.86, -16.10, -4.19
CIELCh	86, 16.639, 194.601
Yxy	67.6992, 0.2815, 0.3313
Android (android.graphics.Color)	4289716446 (0xFFAFE0DE)
YUV	209.1210, 6.3493, -29.9241
Hunter-Lab	82.2795, -19.1971, 0.5809

# Details

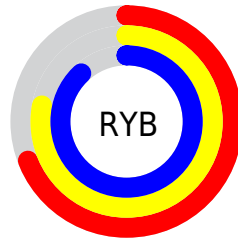
The Yxy color **67.6992, 0.2815, 0.3313** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.6999, 0.3552, 0.3268**, and the grayscale version is **63.8205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **35.2309, 0.2738, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **65.2711, 0.2689, 0.3325**, and if you desaturate by 10%, it is **70.5630, 0.2953, 0.3302**.

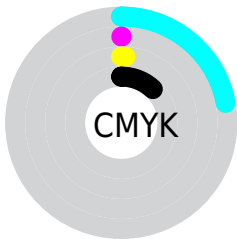
# Distribution



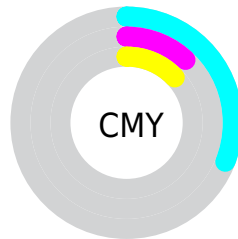
- Red (69%)
- Green (88%)
- Blue (87%)



- Red (69%)
- Yellow (78%)
- Blue (88%)



- Cyan (22%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)




- Cyan (31%)
- Magenta (12%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6992, 0.2815, 0.3313 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 67.6992, 0.2815, 0.3313 by changing the saturation by 10% instead.





 67.6992, 0.2815,  
0.3313

 67.6992, 0.2815,  
0.3313


452.4295, 0.2960,  
0.3304

 49.6531, 0.2782,  
0.3315


 115.9217, 0.2866,  
0.3310

 35.1378, 0.2740,  
0.3317

146.8669, 0.2885,  
0.3309

 23.7690, 0.2688,  
0.3319


182.8805, 0.2902,  
0.3308

 15.1624, 0.2619,  
0.3321


224.3470, 0.2917,  
0.3307

 8.9334, 0.2524,  
0.3323

271.6508, 0.2930,  
0.3306

 4.6978, 0.2387,  
0.3325

325.1762, 0.2941,

 2.0711, 0.2171,

0.3305

385.3076, 0.2951,  
0.3304

0.3320

0.6483, 0.1192,  
0.3465

0.0000, 0.0000,  
0.0000

67.6992, 0.2815,  
0.3313

67.6992, 0.2815,  
0.3313

65.2711, 0.2689,  
0.3325

70.5630, 0.2953,  
0.3302

63.2493, 0.2577,  
0.3338

73.8741, 0.3099,  
0.3292

61.6135, 0.2482,  
0.3351


77.6535, 0.3251,  
0.3283

60.3386, 0.2405,  
0.3364

80.0444, 0.3337,  
0.3274


 59.3962, 0.2347,  
0.3378


 80.0954, 0.3330,  
0.3265


 58.7539, 0.2309,  
0.3392


 80.1466, 0.3324,  
0.3255

 58.3728, 0.2289,  
0.3405

 80.1981, 0.3318,  
0.3246

 58.2030, 0.2282,  
0.3416

 80.2499, 0.3311,  
0.3237

 80.3020, 0.3305,  
0.3228

# Harmonies

## Analogous

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



67.6992, 0.2973, 0.3498



67.6992, 0.2815, 0.3313



67.6992, 0.2739, 0.3128

# Triad

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



67.6992, 0.2815, 0.3313



67.6992, 0.3067, 0.2983



67.6992, 0.3503, 0.3576

# Complementary

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



67.6992, 0.2815, 0.3313



49.6999, 0.3552, 0.3268

# 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.



67.6992, 0.3532, 0.3430



67.6992, 0.2815, 0.3313



67.6992, 0.3275, 0.3094

# Square

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



67.6992, 0.2815, 0.3313



67.6992, 0.2881, 0.2946



67.6992, 0.3447, 0.3256



67.6992, 0.3371, 0.3650



# Rectangle

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



67.6992, 0.2815, 0.3313



67.6992, 0.2744, 0.3032



67.6992, 0.3447, 0.3256



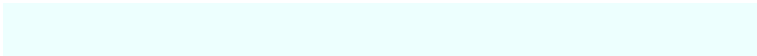
67.6992, 0.3525, 0.3533

# Sweetspot

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



67.7020, 0.2815, 0.3313



96.7228, 0.3022, 0.3297



65.8122, 0.3116, 0.3895



20.6453, 0.3013, 0.3298



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

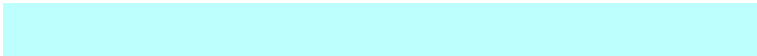


# Same Dimension

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



67.7020, 0.2815, 0.3313



89.3449, 0.2759, 0.3318



56.7264, 0.2784, 0.3022



15.5620, 0.2987, 0.3299



33.8831, 0.2282, 0.3414



2.3517, 0.2276, 0.3393



# Inverse Universe

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



49.6999, 0.3552, 0.3268



61.3075, 0.3663, 0.3263



58.9091, 0.3517, 0.3544



13.7097, 0.3286, 0.3281



9.2402, 0.6355, 0.3274

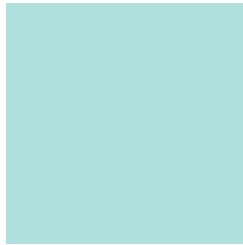


0.6438, 0.6222, 0.3201



# Previews

## White Background



This preview shows how the Yxy color 67.6992, 0.2815, 0.3313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

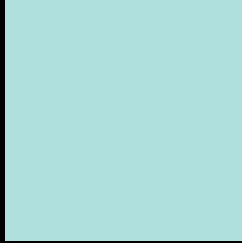
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.6992, 0.2815, 0.3313 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

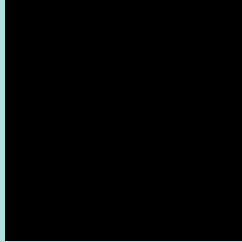
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

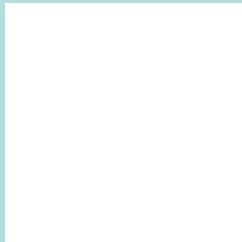
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.6992, 0.2815, 0.3313**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.6992, 0.2815, 0.3313.

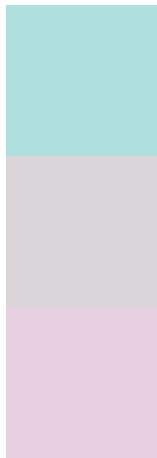


This preview shows how white text looks on a background with the Yxy color 67.6992, 0.2815, 0.3313.

# 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

67.6992, 0.2815, 0.3313

### Protanopia

67.2981, 0.3136, 0.3257

### Deuteranopia

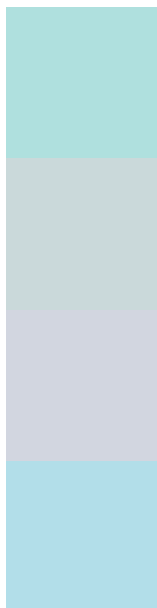
67.3710, 0.3173, 0.3108



## Tritanopia

67.5286, 0.2740, 0.3082

# Trichromacy



## Original Color

67.6992, 0.2815, 0.3313

## Protanomaly

67.2442, 0.3014, 0.3278

## Deuteranomaly

67.1766, 0.3032, 0.3178

## Tritanomaly

67.5907, 0.2768, 0.3161

# Monochromacy



## Original Color

67.6992, 0.2815, 0.3313

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.8185, 0.3005, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.6992, 0.2815, 0.3313 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(175, 224, 222)` looks like.

```
.text, #text, p{  
    color:rgb(175, 224, 222)  
}
```

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(175, 224, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 224, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 67.6992, 0.2815, 0.3313 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(175, 224, 222) }
```

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

```
.border{ border-color:rgb(175, 224, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 224, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 224, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 224, 222);  
box-shadow:4px 4px 4px 4px rgb(175, 224,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.6992, 0.2815, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 224, 222) }
```

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

```
.background{ background-color: rgb(175,  
224, 222) }
```

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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