

# Converting Colors

$Yxy(67.6856, 0.2872, 0.3484)$

Have a look what the booklet for  
Yxy(67.6856, 0.2872, 0.3484)  
contains.

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# Color

**Yxy(67.8165, 0.2867, 0.3482)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACE2D2
RGB	172, 226, 210
RGB Percent	67%, 89%, 82%
CMY	0.3255, 0.1137, 0.1765
CMYK	0.24, 0.00, 0.07, 0.11
HSL	162°, 48%, 78%
HSV	162°, 24%, 89%
XYZ	55.8386, 67.8165, 71.1080
YIQ	208.0300, -27.0480, -16.4240

# Conversions

## Conversions Part 2

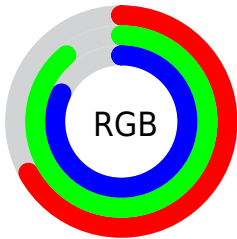
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 204, 226
Decimal	11330258
CIELab	85.91, -20.52, 2.19
CIELCh	86, 20.641, 173.896
Yxy	67.8165, 0.2867, 0.3482
Android (android.graphics.Color)	4289520338 (0xFFACE2D2)
YUV	208.0300, 0.9712, -31.5983
Hunter-Lab	82.3508, -23.0806, 6.4500

# Details

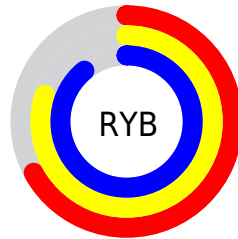
The Yxy color **67.8165, 0.2867, 0.3482** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.3026, 0.3478, 0.3107**, and the grayscale version is **63.1031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **35.3777, 0.2797, 0.3530** is the 20% darker color. If you saturate the color by 10%, you get **65.1488, 0.2770, 0.3575**, and if you desaturate by 10%, it is **70.9386, 0.2972, 0.3396**.

# Distribution



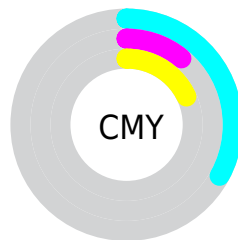
- Red (67%)
- Green (89%)
- Blue (82%)



- Red (67%)
- Yellow (80%)
- Blue (89%)



- Cyan (24%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)




- Cyan (33%)
- Magenta (11%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8165, 0.2867, 0.3482 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 67.8165, 0.2867, 0.3482 by changing the saturation by 10% instead.




 67.8165, 0.2867,  
0.3482

 67.8165, 0.2867,  
0.3482


452.8456, 0.2989,  
0.3391

 49.7485, 0.2839,  
0.3503

 116.0896, 0.2910,  
0.3450

 35.2136, 0.2803,  
0.3530

147.0634, 0.2926,  
0.3438

 23.8274, 0.2758,  
0.3564


183.1080, 0.2941,  
0.3427

 15.2057, 0.2698,  
0.3609

224.6077, 0.2953,  
0.3418

 8.9639, 0.2616,  
0.3673

271.9469, 0.2964,  
0.3410

 4.7176, 0.2494,  
0.3767

325.5100, 0.2973,

 2.0825, 0.2296,

0.3403

385.6815, 0.2982,  
0.3397

0.3923

0.6548, 0.0908,  
0.4902

0.0000, 0.0000,  
0.0000

67.8165, 0.2867,  
0.3482

67.8165, 0.2867,  
0.3482

65.1488, 0.2770,  
0.3575

70.9386, 0.2972,  
0.3396

62.9050, 0.2685,  
0.3676

74.5275, 0.3083,  
0.3318


61.0638, 0.2614,  
0.3782

78.6050, 0.3197,  
0.3248

59.5986, 0.2560,  
0.3892


81.7604, 0.3259,  
0.3184

 58.4797, 0.2526,  
0.4005


 82.1593, 0.3215,  
0.3119

 57.6726, 0.2512,  
0.4119

 82.5729, 0.3171,  
0.3054

 57.1354, 0.2517,  
0.4231

 82.8775, 0.3140,  
0.3009

 56.8994, 0.2528,  
0.4299

# Harmonies

## Analogous

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



67.8165, 0.3106, 0.3671



67.8165, 0.2867, 0.3482



67.8165, 0.2701, 0.3242

# Triad

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



67.8165, 0.2867, 0.3482



67.8165, 0.2886, 0.2870



67.8165, 0.3634, 0.3522

# Complementary

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



67.8165, 0.2867, 0.3482



49.3026, 0.3478, 0.3107

# 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.



67.8165, 0.3572, 0.3312



67.8165, 0.2867, 0.3482



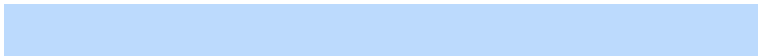
67.8165, 0.3132, 0.2947

# Square

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



67.8165, 0.2867, 0.3482



67.8165, 0.2712, 0.2896



67.8165, 0.3385, 0.3105



67.8165, 0.3554, 0.3683



# Rectangle

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



67.8165, 0.2867, 0.3482



67.8165, 0.2650, 0.3092



67.8165, 0.3385, 0.3105



67.8165, 0.3629, 0.3455

# Sweetspot

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



67.8193, 0.2867, 0.3482



96.4340, 0.3048, 0.3342



68.0918, 0.3208, 0.3941



20.5782, 0.3041, 0.3347



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

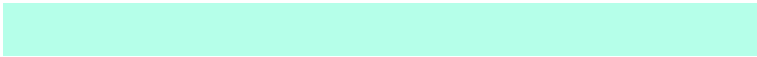


# Same Dimension

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



67.8193, 0.2867, 0.3482



87.2366, 0.2815, 0.3531



62.9662, 0.2765, 0.3160



15.4994, 0.3021, 0.3360



32.4801, 0.2523, 0.4281



2.2668, 0.2475, 0.4109



# Inverse Universe

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



49.3026, 0.3478, 0.3107



58.6393, 0.3582, 0.3064



52.9300, 0.3595, 0.3416



13.7671, 0.3246, 0.3221



9.4740, 0.5766, 0.2950

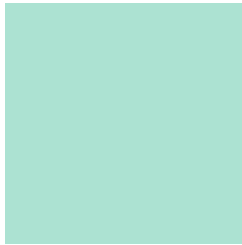


0.6721, 0.5324, 0.2707



# Previews

## White Background



This preview shows how the Yxy color 67.8165, 0.2867, 0.3482 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

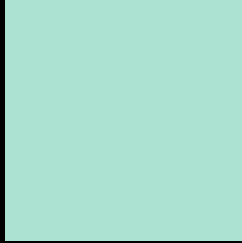
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.8165, 0.2867, 0.3482 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

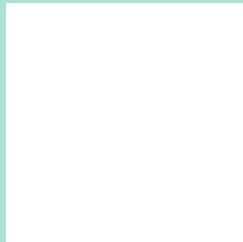
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.8165, 0.2867, 0.3482**

## Background



This preview shows how black text looks on a background with the Yxy color 67.8165, 0.2867, 0.3482.

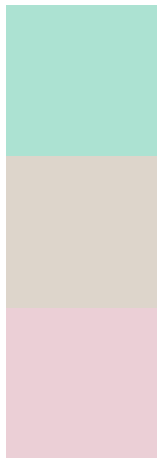


This preview shows how white text looks on a background with the Yxy color 67.8165, 0.2867, 0.3482.

# 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

67.8165, 0.2867, 0.3482

### Protanopia

67.2724, 0.3256, 0.3402

### Deuteranopia

67.1429, 0.3291, 0.3215



## Tritanopia

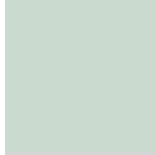
67.9395, 0.2735, 0.3094

# Trichromacy



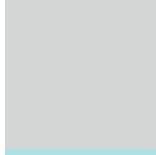
## Original Color

67.8165, 0.2867, 0.3482



## Protanomaly

67.2955, 0.3099, 0.3428



## Deuteranomaly

66.8943, 0.3119, 0.3301



## Tritanomaly

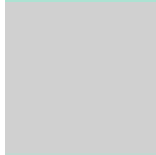
67.6069, 0.2786, 0.3230

# Monochromacy



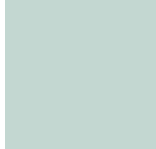
## Original Color

67.8165, 0.2867, 0.3482



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

64.8064, 0.3023, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.8165, 0.2867, 0.3482 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(172, 226, 210)` looks like.

```
.text, #text, p{  
    color:rgb(172, 226, 210)  
}
```

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(172, 226, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 226, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 67.8165, 0.2867, 0.3482 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(172, 226, 210) }
```

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

```
.border{ border-color:rgb(172, 226, 210) }
```

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

Here you see how a box with a 4 pixel rgb(172, 226, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 226, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 226, 210);  
box-shadow:4px 4px 4px 4px rgb(172, 226,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.8165, 0.2867, 0.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 226, 210) }
```

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

```
.background{ background-color: rgb(172,  
226, 210) }
```

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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