

# Converting Colors

$Yxy(69.9415, 0.2873, 0.3377)$

Have a look what the booklet for  
Yxy(69.9415, 0.2873, 0.3377)  
contains.

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# Color

**Yxy(69.9977, 0.2878, 0.3383)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E3DB
RGB	182, 227, 219
RGB Percent	71%, 89%, 86%
CMY	0.2861, 0.1098, 0.1413
CMYK	0.20, 0.00, 0.04, 0.11
HSL	169°, 45%, 80%
HSV	169°, 20%, 89%
XYZ	59.5487, 69.9977, 77.3637
YIQ	212.6330, -24.2520, -12.0280

# Conversions

## Conversions Part 2

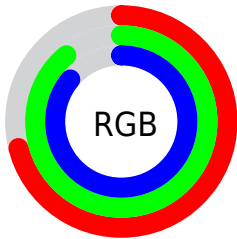
Format	Color
<a href="#">RYB</a>	<a href="#">182, 207, 227</a>
Decimal	<a href="#">11985883</a>
CIELab	<a href="#">87.00, -16.11, -0.89</a>
CIELCh	<a href="#">87, 16.132, 183.153</a>
Yxy	<a href="#">69.9977, 0.2878, 0.3383</a>
Android (android.graphics.Color)	<a href="#">4290175963 (0xFFB6E3DB)</a>
YUV	<a href="#">212.6330, 3.1389, -26.8651</a>
Hunter-Lab	<a href="#">83.6646, -19.3648, 3.7405</a>

# Details

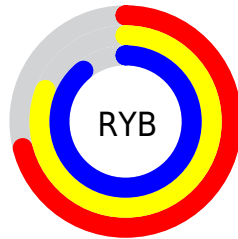
The Yxy color **69.9977, 0.2878, 0.3383** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.5230, 0.3450, 0.3199**, and the grayscale version is **66.2769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **36.7746, 0.2817, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **67.2453, 0.2764, 0.3436**, and if you desaturate by 10%, it is **73.2091, 0.3001, 0.3334**.

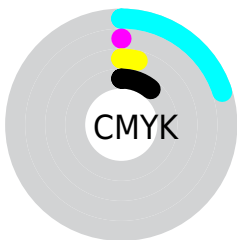
# Distribution



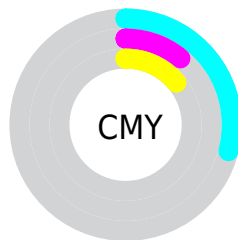
- Red (71%)
- Green (89%)
- Blue (86%)



- Red (71%)
- Yellow (81%)
- Blue (89%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (29%)
- Magenta (11%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9977, 0.2878, 0.3383 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 69.9977, 0.2878, 0.3383 by changing the saturation by 10% instead.




 69.9977, 0.2878,  
0.3383

 69.9977, 0.2878,  
0.3383


460.5419, 0.2994,  
0.3340

 51.5247, 0.2851,  
0.3393


 119.2055, 0.2918,  
0.3368

 36.6263, 0.2818,  
0.3405


150.7090, 0.2934,  
0.3362

 24.9183, 0.2777,  
0.3420


187.3248, 0.2947,  
0.3357

 16.0162, 0.2722,  
0.3440

229.4373, 0.2959,  
0.3353

 9.5356, 0.2646,  
0.3467

277.4309, 0.2969,  
0.3349

 5.0922, 0.2537,  
0.3506

331.6899, 0.2978,

 2.3014, 0.2364,

0.3346

0.3567

392.5988, 0.2987,  
0.3343

0.7745, 0.1695,  
0.3829

0.0000, 0.0000,  
0.0000

69.9977, 0.2878,  
0.3383

69.9977, 0.2878,  
0.3383

67.2453, 0.2764,  
0.3436

73.2091, 0.3001,  
0.3334

64.9217, 0.2662,  
0.3493

76.8909, 0.3130,  
0.3289

63.0064, 0.2574,  
0.3554

81.0650, 0.3262,  
0.3249


61.4737, 0.2503,  
0.3616

82.2078, 0.3269,  
0.3209

 60.2952, 0.2452,  
0.3681

 82.4453, 0.3242,  
0.3170


 59.4383, 0.2420,  
0.3746


 82.6882, 0.3215,  
0.3130


 58.8645, 0.2407,  
0.3810

 82.9365, 0.3189,  
0.3091

 58.5078, 0.2410,  
0.3874

 83.1903, 0.3163,  
0.3053

 58.5017, 0.2410,  
0.3876

 83.4185, 0.3140,  
0.3019

# Harmonies

## Analogous

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



69.9977, 0.3052, 0.3545



69.9977, 0.2878, 0.3383



69.9977, 0.2772, 0.3199

# Triad

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



69.9977, 0.2878, 0.3383



69.9977, 0.2996, 0.2972



69.9977, 0.3511, 0.3517

# Complementary

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



69.9977, 0.2878, 0.3383



53.5230, 0.3450, 0.3199

# 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.



69.9977, 0.3496, 0.3362



69.9977, 0.2878, 0.3383



69.9977, 0.3194, 0.3054

# Square

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



69.9977, 0.2878, 0.3383



69.9977, 0.2838, 0.2968



69.9977, 0.3379, 0.3195



69.9977, 0.3419, 0.3619



# Rectangle

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



69.9977, 0.2878, 0.3383



69.9977, 0.2751, 0.3092



69.9977, 0.3379, 0.3195



69.9977, 0.3518, 0.3470

# Sweetspot

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



70.0006, 0.2878, 0.3383



97.0379, 0.3049, 0.3317



69.3007, 0.3159, 0.3825



20.7041, 0.3040, 0.3320



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

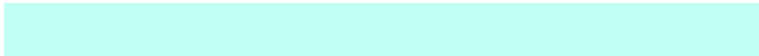


# Same Dimension

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



70.0006, 0.2878, 0.3383



89.4982, 0.2827, 0.3406



62.9646, 0.2821, 0.3122



16.2899, 0.3005, 0.3332



34.1340, 0.2407, 0.3866



2.5340, 0.2381, 0.3772



# Inverse Universe

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



53.5230, 0.3450, 0.3199



64.1498, 0.3541, 0.3178



59.3142, 0.3488, 0.3452



14.4098, 0.3264, 0.3248



9.6280, 0.6124, 0.3147

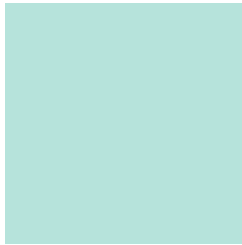


0.7238, 0.5739, 0.2935



# Previews

## White Background



This preview shows how the Yxy color 69.9977, 0.2878, 0.3383 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

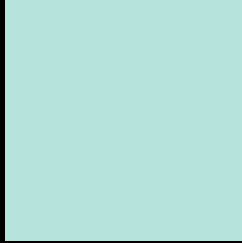
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.9977, 0.2878, 0.3383 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

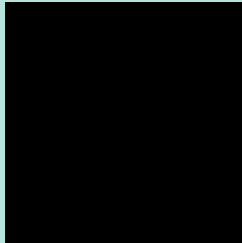
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

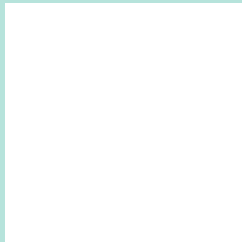
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.9977, 0.2878, 0.3383**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.9977, 0.2878, 0.3383.

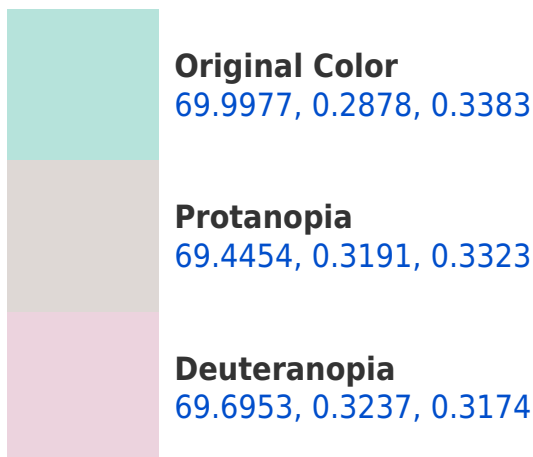


This preview shows how white text looks on a background with the Yxy color 69.9977, 0.2878, 0.3383.

# 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

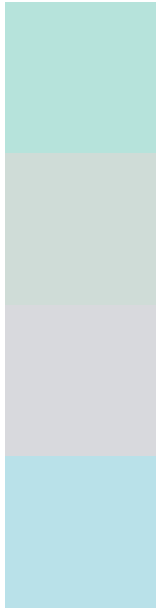




## Tritanopia

70.1013, 0.2774, 0.3097

# Trichromacy



## Original Color

69.9977, 0.2878, 0.3383

## Protanomaly

69.3581, 0.3068, 0.3346

## Deuteranomaly

69.4451, 0.3093, 0.3246

## Tritanomaly

70.0479, 0.2814, 0.3198

# Monochromacy



## Original Color

69.9977, 0.2878, 0.3383

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.6057, 0.3033, 0.3324

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9977, 0.2878, 0.3383 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(182, 227, 219)` looks like.

```
.text, #text, p{  
    color:rgb(182, 227, 219)  
}
```

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(182, 227, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 227, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9977, 0.2878, 0.3383 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(182, 227, 219) }
```

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

```
.border{ border-color:rgb(182, 227, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 227, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 227, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 227, 219);  
box-shadow:4px 4px 4px 4px rgb(182, 227,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9977, 0.2878, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 227, 219) }
```

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

```
.background{ background-color: rgb(182,  
227, 219) }
```

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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