

# Converting Colors

Yxy(52.7311, 0.2849, 0.3449)

Have a look what the booklet for  
Yxy(52.7311, 0.2849, 0.3449)  
contains.

<b>Yxy(52.7311, 0.2849, 0.3449)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(52.7311, 0.2849, 0.3449)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99CABE
RGB	153, 202, 190
RGB Percent	60%, 79%, 75%
CMY	0.3998, 0.2079, 0.2549
CMYK	0.24, 0.00, 0.06, 0.21
HSL	165°, 32%, 70%
HSV	165°, 24%, 79%
XYZ	43.5578, 52.7311, 56.5992
YIQ	185.9810, -25.3520, -14.1200

# Conversions

## Conversions Part 2

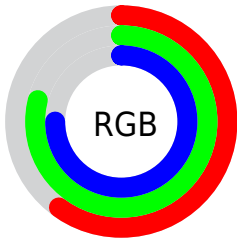
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 181, 202
Decimal	10078910
CIELab	77.72, -18.46, 0.77
CIELCh	78, 18.475, 177.614
Yxy	52.7311, 0.2849, 0.3449
Android (android.graphics.Color)	4288268990 (0xFF99CABE)
YUV	185.9810, 1.9814, -28.9243
Hunter-Lab	72.6162, -20.0076, 4.6190

# Details

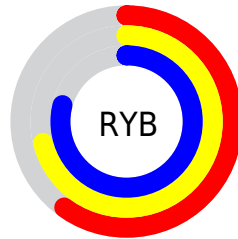
The Yxy color **52.7311, 0.2849, 0.3449** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.0707, 0.3507, 0.3138**, and the grayscale version is **49.0967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5837, 0.2896, 0.3383**, and **25.7527, 0.2775, 0.3490** is the 20% darker color. If you saturate the color by 10%, you get **50.7178, 0.2747, 0.3525**, and if you desaturate by 10%, it is **55.0888, 0.2960, 0.3379**.

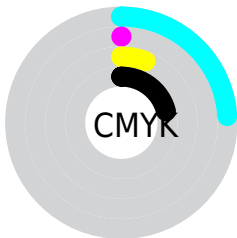
# Distribution



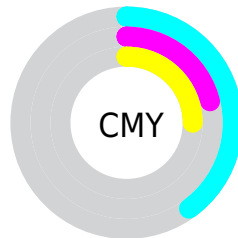
- Red (60%)
- Green (79%)
- Blue (75%)



- Red (60%)
- Yellow (71%)
- Blue (79%)



- Cyan (24%)
- Magenta (0%)
- Yellow (6%)
- Black (21%)




- Cyan (40%)
- Magenta (21%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.7311, 0.2849, 0.3449 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 52.7311, 0.2849, 0.3449 by changing the saturation by 10% instead.





 52.7311, 0.2849,  
0.3449


 52.7311, 0.2849,  
0.3449


397.2526, 0.2985,  
0.3371

 37.5882, 0.2816,  
0.3468

 94.2086, 0.2898,  
0.3421

 25.6632, 0.2774,  
0.3492


 121.3119, 0.2916,  
0.3410

 16.5718, 0.2719,  
0.3524


153.1708, 0.2932,  
0.3401

 9.9297, 0.2643,  
0.3568

190.1696, 0.2946,  
0.3394

 5.3524, 0.2534,  
0.3632

232.6928, 0.2957,  
0.3387

 2.4555, 0.2361,  
0.3733

281.1248, 0.2968,

 0.8542, 0.1727,

0.3381

0.4084

335.8499, 0.2977,  
0.3376

0.0000, 0.0000,  
0.0000

52.7311, 0.2849,  
0.3449

52.7311, 0.2849,  
0.3449

50.7178, 0.2747,  
0.3525

55.0888, 0.2960,  
0.3379

49.0257, 0.2658,  
0.3606

57.8000, 0.3076,  
0.3315

47.6386, 0.2583,  
0.3692


60.8817, 0.3197,  
0.3258

46.5363, 0.2525,  
0.3780

64.3475, 0.3319,  
0.3206


45.6963, 0.2487,  
0.3871


68.2106, 0.3440,  
0.3161

 45.0926, 0.2468,  
0.3962


 68.6498, 0.3409,  
0.3111

 44.6934, 0.2468,  
0.4053

 68.9154, 0.3372,  
0.3062

 44.5227, 0.2474,  
0.4105

 69.1888, 0.3335,  
0.3013

 69.4702, 0.3298,  
0.2965

# Harmonies

## Analogous

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



52.7311, 0.3076, 0.3643



52.7311, 0.2849, 0.3449



52.7311, 0.2699, 0.3215

# Triad

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



52.7311, 0.2849, 0.3449



52.7311, 0.2920, 0.2885



52.7311, 0.3618, 0.3540

# Complementary

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



52.7311, 0.2849, 0.3449



38.0707, 0.3507, 0.3138

# 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.



52.7311, 0.3575, 0.3338



52.7311, 0.2849, 0.3449



52.7311, 0.3163, 0.2971

# Square

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



52.7311, 0.2849, 0.3449



52.7311, 0.2738, 0.2897



52.7311, 0.3406, 0.3134



52.7311, 0.3524, 0.3687



# Rectangle

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



52.7311, 0.2849, 0.3449



52.7311, 0.2659, 0.3073



52.7311, 0.3406, 0.3134



52.7311, 0.3619, 0.3476

# Sweetspot

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



52.7333, 0.2849, 0.3449



96.4919, 0.3043, 0.3333



52.5697, 0.3190, 0.3950



20.5917, 0.3035, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

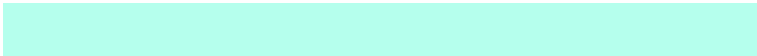


# Same Dimension

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



52.7333, 0.2849, 0.3449



87.4575, 0.2795, 0.3488



47.7625, 0.2760, 0.3126



12.6782, 0.3015, 0.3347



28.6661, 0.2470, 0.4093



1.4904, 0.2421, 0.3916



# Inverse Universe

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



38.0707, 0.3507, 0.3138



58.4593, 0.3615, 0.3103



41.8693, 0.3592, 0.3448



11.2580, 0.3252, 0.3233



8.2373, 0.5927, 0.3039



0.4374, 0.5356, 0.2724



# Previews

## White Background



This preview shows how the Yxy color 52.7311, 0.2849, 0.3449 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

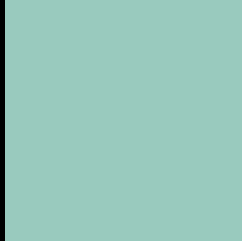
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.7311, 0.2849, 0.3449 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

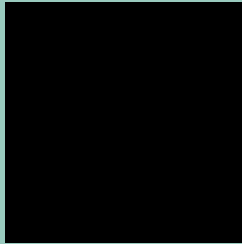
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

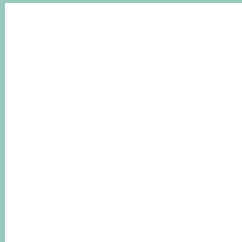
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.7311, 0.2849, 0.3449**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.7311, 0.2849, 0.3449.



This preview shows how white text looks on a background with the Yxy color 52.7311, 0.2849, 0.3449.

# 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

52.7311, 0.2849, 0.3449

### Protanopia

52.5926, 0.3230, 0.3377

### Deuteranopia

52.1035, 0.3267, 0.3195



## Tritanopia

52.5123, 0.2727, 0.3084

# Trichromacy



**Original Color**

52.7311, 0.2849, 0.3449

**Protanomaly**

52.3991, 0.3082, 0.3405

**Deuteranomaly**

51.8862, 0.3103, 0.3277

**Tritanomaly**

52.3225, 0.2771, 0.3211

# Monochromacy



**Original Color**

52.7311, 0.2849, 0.3449

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

50.2858, 0.3020, 0.3355

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.7311, 0.2849, 0.3449 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(153, 202, 190)` looks like.

```
.text, #text, p{  
    color:rgb(153, 202, 190)  
}
```

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(153, 202, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 202, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 52.7311, 0.2849, 0.3449 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(153, 202, 190) }
```

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

```
.border{ border-color:rgb(153, 202, 190) }
```

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

Here you see how a box with a 4 pixel rgb(153, 202, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 202, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 202, 190);  
box-shadow:4px 4px 4px 4px rgb(153, 202,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.7311, 0.2849, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 202, 190) }
```

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

```
.background{ background-color: rgb(153,  
202, 190) }
```

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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