

# Converting Colors

$Y_{xy}(49.2048, 0.2995, 0.3381)$

Have a look what the booklet for  
Yxy(49.2048, 0.2995, 0.3381)  
contains.

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# Color

**Yxy(49.0471, 0.2995, 0.3382)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8BFB8
RGB	168, 191, 184
RGB Percent	66%, 75%, 72%
CMY	0.3411, 0.2510, 0.2783
CMYK	0.12, 0.00, 0.04, 0.25
HSL	162°, 15%, 70%
HSV	162°, 12%, 75%
XYZ	43.4347, 49.0471, 52.5422
YIQ	183.3250, -11.4610, -7.0530

# Conversions

## Conversions Part 2

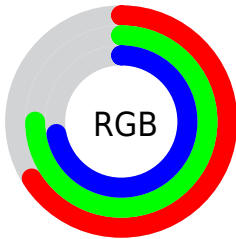
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 182, 191
Decimal	11059128
CIELab	75.48, -9.19, 0.85
CIElCh	75, 9.227, 174.695
Yxy	49.0471, 0.2995, 0.3382
Android (android.graphics.Color)	4289249208 (0xFFA8BFB8)
YUV	183.3250, 0.3328, -13.4400
Hunter-Lab	70.0336, -11.8536, 4.5417

# Details

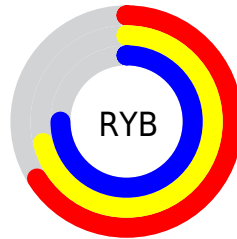
The Yxy color  $49.0471, 0.2995, 0.3382$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $42.1789, 0.3279, 0.3200$ , and the grayscale version is  $47.5471, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.5008, 0.3017, 0.3362$ , and  $23.5287, 0.2961, 0.3417$  is the 20% darker color. If you saturate the color by 10%, you get  $46.8665, 0.2890, 0.3467$ , and if you desaturate by 10%, it is  $51.5497, 0.3104, 0.3305$ .

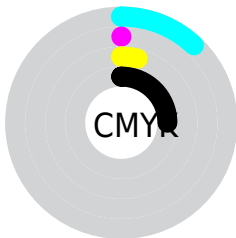
# Distribution



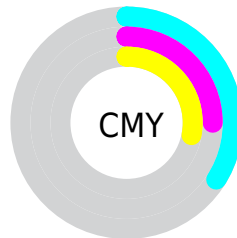
- Red (66%)
- Green (75%)
- Blue (72%)



- Red (66%)
- Yellow (71%)
- Blue (75%)



- Cyan (12%)
- Magenta (0%)
- Yellow (4%)
- Black (25%)




- Cyan (34%)
- Magenta (25%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0471, 0.2995, 0.3382 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 49.0471, 0.2995, 0.3382 by changing the saturation by 10% instead.




 49.0471, 0.2995,  
0.3382

 49.0471, 0.2995,  
0.3382


382.9277, 0.3061,  
0.3336

 34.6568, 0.2979,  
0.3393


 88.7614, 0.3019,  
0.3365

 23.3987, 0.2958,  
0.3408


 114.8542, 0.3028,  
0.3359

 14.8882, 0.2930,  
0.3427


145.6167, 0.3035,  
0.3354

 8.7409, 0.2892,  
0.3454

181.4333, 0.3042,  
0.3349

 4.5726, 0.2835,  
0.3494

222.6882, 0.3047,  
0.3345

 1.9987, 0.2742,  
0.3561

269.7660, 0.3052,

 0.6067, 0.2259,

0.3342

0.3889

323.0511, 0.3057,  
0.3339

0.0000, 0.0000,  
0.0000

49.0471, 0.2995,  
0.3382

49.0471, 0.2995,  
0.3382

46.8665, 0.2890,  
0.3467

51.5497, 0.3104,  
0.3305

44.9882, 0.2793,  
0.3560

54.3807, 0.3216,  
0.3235

43.3998, 0.2707,  
0.3660

57.5542, 0.3329,  
0.3174

42.0855, 0.2633,  
0.3766

61.0816, 0.3440,  
0.3119

41.0284, 0.2576,  
0.3877

63.3240, 0.3480,  
0.3066

■ 40.2090, 0.2538,  
0.3991

■ 63.6232, 0.3433,  
0.3007

■ 39.6056, 0.2519,  
0.4106

■ 63.9330, 0.3387,  
0.2950

■ 39.1918, 0.2520,  
0.4220

■ 64.2534, 0.3342,  
0.2894

■ 38.9581, 0.2531,  
0.4311

■ 64.5847, 0.3297,  
0.2838

# Harmonies

## Analogous

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



49.0471, 0.3116, 0.3473



49.0471, 0.2995, 0.3382



49.0471, 0.2911, 0.3266

# Triad

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



49.0471, 0.2995, 0.3382



49.0471, 0.3011, 0.3076



49.0471, 0.3378, 0.3413

# Complementary

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



49.0471, 0.2995, 0.3382



42.1789, 0.3279, 0.3200

# 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.



49.0471, 0.3349, 0.3308



49.0471, 0.2995, 0.3382



49.0471, 0.3135, 0.3116

# Square

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



49.0471, 0.2995, 0.3382



49.0471, 0.2919, 0.3091



49.0471, 0.3259, 0.3200



49.0471, 0.3338, 0.3489



# Rectangle

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



49.0471, 0.2995, 0.3382



49.0471, 0.2885, 0.3192



49.0471, 0.3259, 0.3200



49.0471, 0.3376, 0.3380

# Sweetspot

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



49.0492, 0.2995, 0.3382



91.3720, 0.3082, 0.3320



49.2363, 0.3172, 0.3595



19.9870, 0.3074, 0.3326



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

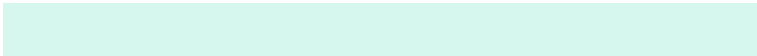


# Same Dimension

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



49.0492, 0.2995, 0.3382



86.9463, 0.2972, 0.3400



47.5366, 0.2944, 0.3234



10.7589, 0.3024, 0.3360



25.6178, 0.2526, 0.4295



1.0146, 0.2451, 0.4024



# Inverse Universe

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



42.1789, 0.3279, 0.3200



72.6254, 0.3311, 0.3183



43.4940, 0.3334, 0.3346



9.5827, 0.3242, 0.3221



7.4919, 0.5722, 0.2926



0.3055, 0.5021, 0.2540



# Previews

## White Background



This preview shows how the Yxy color 49.0471, 0.2995, 0.3382 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 49.0471, 0.2995, 0.3382 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

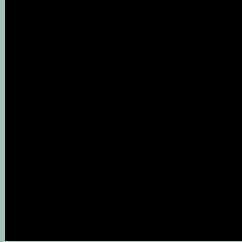
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

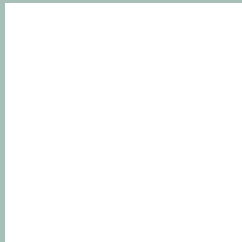
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.0471, 0.2995, 0.3382**

## Background



This preview shows how black text looks on a background with the Yxy color 49.0471, 0.2995, 0.3382.



This preview shows how white text looks on a background with the Yxy color 49.0471, 0.2995, 0.3382.

# 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

49.0471, 0.2995, 0.3382

### Protanopia

48.9813, 0.3201, 0.3341

### Deuteranopia

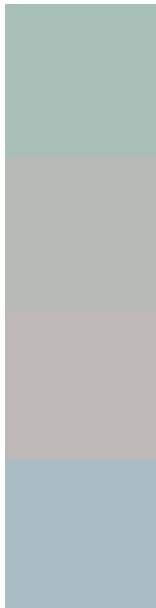
48.8842, 0.3278, 0.3217



## Tritanopia

48.9362, 0.2883, 0.3096

# Trichromacy



## Original Color

49.0471, 0.2995, 0.3382

## Protanomaly

48.8631, 0.3124, 0.3355

## Deuteranomaly

48.7309, 0.3170, 0.3277

## Tritanomaly

48.9268, 0.2925, 0.3198

# Monochromacy



## Original Color

49.0471, 0.2995, 0.3382

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

48.0017, 0.3084, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0471, 0.2995, 0.3382 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(168, 191, 184)` looks like.

```
.text, #text, p{  
    color:rgb(168, 191, 184)  
}
```

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(168, 191, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 191, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0471, 0.2995, 0.3382 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(168, 191, 184) }
```

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

```
.border{ border-color:rgb(168, 191, 184) }
```

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

Here you see how a box with a 4 pixel rgb(168, 191, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 191, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 191, 184);  
box-shadow:4px 4px 4px 4px rgb(168, 191,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0471, 0.2995, 0.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 191, 184) }
```

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

```
.background{ background-color: rgb(168,  
191, 184) }
```

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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