

# Converting Colors

$Y_{xy}(49.0750, 0.2861, 0.3233)$

Have a look what the booklet for  
Yxy(49.0750, 0.2861, 0.3233)  
contains.

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# Color

**Yxy(49.2619, 0.2859, 0.3236)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1C0C4
RGB	161, 192, 196
RGB Percent	63%, 75%, 77%
CMY	0.3683, 0.2471, 0.2313
CMYK	0.18, 0.02, 0.00, 0.23
HSL	187°, 23%, 70%
HSV	187°, 18%, 77%
XYZ	43.5228, 49.2619, 59.4461
YIQ	183.1870, -19.7600, -5.3280

# Conversions

## Conversions Part 2

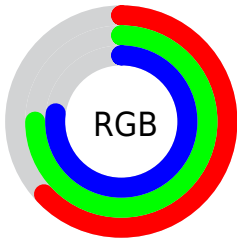
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 177, 196
Decimal	10600644
CIELab	75.61, -9.50, -5.51
CIElCh	76, 10.982, 210.097
Yxy	49.2619, 0.2859, 0.3236
Android (android.graphics.Color)	4288790724 (0xFFA1C0C4)
YUV	183.1870, 6.3168, -19.4580
Hunter-Lab	70.1868, -12.1392, -1.0861

# Details

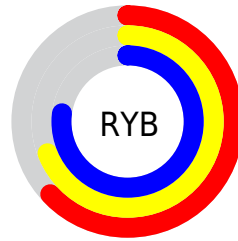
The Yxy color **49.2619, 0.2859, 0.3236** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.2587, 0.3459, 0.3343**, and the grayscale version is **47.4425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8256, 0.2902, 0.3238**, and **23.6694, 0.2791, 0.3235** is the 20% darker color. If you saturate the color by 10%, you get **46.3992, 0.2718, 0.3202**, and if you desaturate by 10%, it is **52.4632, 0.3008, 0.3267**.

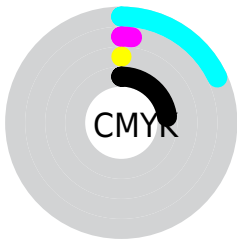
# Distribution



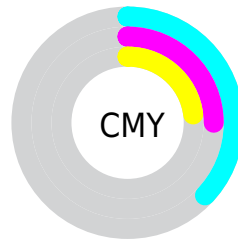
- Red (63%)
- Green (75%)
- Blue (77%)



- Red (63%)
- Yellow (69%)
- Blue (77%)



- Cyan (18%)
- Magenta (2%)
- Yellow (0%)
- Black (23%)




- Cyan (37%)
- Magenta (25%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2619, 0.2859, 0.3236 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 49.2619, 0.2859, 0.3236 by changing the saturation by 10% instead.





 49.2619, 0.2859,  
0.3236


 49.2619, 0.2859,  
0.3236


383.7725, 0.2991,  
0.3264

 34.8273, 0.2827,  
0.3229


 89.0803, 0.2906,  
0.3246

 23.5299, 0.2786,  
0.3219


 115.2329, 0.2924,  
0.3250

 14.9852, 0.2732,  
0.3206


146.0602, 0.2940,  
0.3254

 8.8090, 0.2658,  
0.3187

181.9468, 0.2953,  
0.3256

 4.6168, 0.2549,  
0.3158

223.2769, 0.2964,  
0.3259

 2.0242, 0.2377,  
0.3107

270.4349, 0.2974,

 0.6215, 0.1754,

0.3261

0.3039

323.8053, 0.2983,  
0.3263

0.0000, 0.0000,  
0.0000

49.2619, 0.2859,  
0.3236

49.2619, 0.2859,  
0.3236

46.3992, 0.2718,  
0.3202

52.4632, 0.3008,  
0.3267

43.8541, 0.2588,  
0.3166

56.0108, 0.3161,  
0.3296

41.6125, 0.2471,  
0.3128

59.9200, 0.3316,  
0.3322

39.6570, 0.2370,  
0.3089

64.2031, 0.3471,  
0.3345

37.9680, 0.2287,  
0.3049

68.0905, 0.3591,  
0.3366

■ 36.5236, 0.2224,  
0.3009

■ 69.1670, 0.3586,  
0.3390

■ 35.2981, 0.2179,  
0.2969

■ 70.2593, 0.3580,  
0.3413

■ 34.2535, 0.2150,  
0.2930

■ 71.3672, 0.3575,  
0.3436

■ 34.0368, 0.2145,  
0.2921

■ 72.4908, 0.3570,  
0.3459

# Harmonies

## Analogous

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



49.2619, 0.2948, 0.3375



49.2619, 0.2859, 0.3236



49.2619, 0.2840, 0.3116

# Triad

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



49.2619, 0.2859, 0.3236



49.2619, 0.3164, 0.3099



49.2619, 0.3361, 0.3537

# Complementary

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



49.2619, 0.2859, 0.3236



41.2587, 0.3459, 0.3343

# 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.



49.2619, 0.3423, 0.3455



49.2619, 0.2859, 0.3236



49.2619, 0.3307, 0.3205

# Square

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



49.2619, 0.2859, 0.3236



49.2619, 0.3013, 0.3041



49.2619, 0.3403, 0.3334



49.2619, 0.3237, 0.3552



# Rectangle

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



49.2619, 0.2859, 0.3236



49.2619, 0.2869, 0.3063



49.2619, 0.3403, 0.3334



49.2619, 0.3390, 0.3516

# Sweetspot

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



49.2639, 0.2859, 0.3236



96.7277, 0.3049, 0.3275



49.7710, 0.3080, 0.3720



20.6081, 0.3038, 0.3273



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

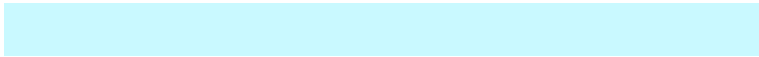


# Same Dimension

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



49.2639, 0.2859, 0.3236



87.3458, 0.2809, 0.3224



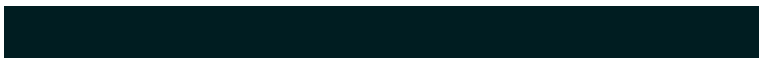
42.2491, 0.2847, 0.3006



11.2238, 0.2984, 0.3263



21.9479, 0.2146, 0.2927



1.0056, 0.2171, 0.3015



# Inverse Universe

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



41.0573, 0.3183, 0.2901



70.0723, 0.3195, 0.2823



47.7840, 0.3421, 0.3559



10.2269, 0.3155, 0.3089



9.4979, 0.3519, 0.1712



0.4162, 0.3441, 0.1669



# Previews

## White Background



This preview shows how the Yxy color 49.2619, 0.2859, 0.3236 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

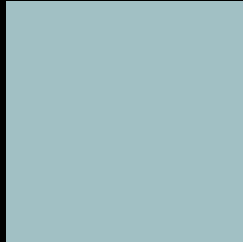
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.2619, 0.2859, 0.3236 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

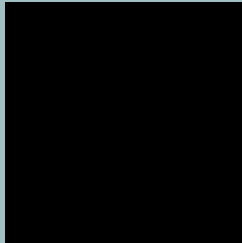
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.2619, 0.2859, 0.3236**

## Background



This preview shows how black text looks on a background with the Yxy color 49.2619, 0.2859, 0.3236.



This preview shows how white text looks on a background with the Yxy color 49.2619, 0.2859, 0.3236.

# 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

49.2619, 0.2859, 0.3236

### Protanopia

49.0685, 0.3090, 0.3201

### Deuteranopia

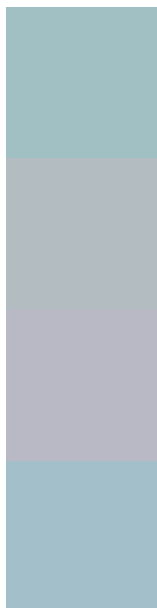
49.1307, 0.3137, 0.3082



## **Tritanopia**

49.0697, 0.2804, 0.3082

# Trichromacy



## Original Color

49.2619, 0.2859, 0.3236

## Protanomaly

49.2817, 0.3009, 0.3225

## Deuteranomaly

49.0434, 0.3035, 0.3138

## Tritanomaly

49.2073, 0.2825, 0.3145

# Monochromacy



## Original Color

49.2619, 0.2859, 0.3236

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.8626, 0.3022, 0.3264

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2619, 0.2859, 0.3236 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(161, 192, 196)` looks like.

```
.text, #text, p{  
    color:rgb(161, 192, 196)  
}
```

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(161, 192, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 192, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2619, 0.2859, 0.3236 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(161, 192, 196) }
```

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

```
.border{ border-color:rgb(161, 192, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 192, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 192, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 192, 196);  
box-shadow:4px 4px 4px 4px rgb(161, 192,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2619, 0.2859, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 192, 196) }
```

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

```
.background{ background-color: rgb(161,  
192, 196) }
```

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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