

# Converting Colors

$Yxy(48.8197, 0.2772, 0.3180)$

Have a look what the booklet for  
Yxy(48.8197, 0.2772, 0.3180)  
contains.

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# Color

**Yxy(48.6886, 0.2768, 0.3169)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99C0C9
RGB	153, 192, 201
RGB Percent	60%, 75%, 79%
CMY	0.4001, 0.2470, 0.2117
CMYK	0.24, 0.04, 0.00, 0.21
HSL	191°, 31%, 69%
HSV	191°, 24%, 79%
XYZ	42.5276, 48.6886, 62.4240
YIQ	181.3650, -26.1330, -5.4690

# Conversions

## Conversions Part 2

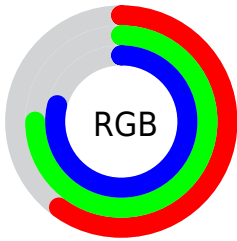
Format	Color
R <sub>Y</sub> B	153, 175, 201
Decimal	10076361
CIE Lab	75.26, -10.92, -8.81
CIE LCh	75, 14.032, 218.878
Yxy	48.6886, 0.2768, 0.3169
Android (android.graphics.Color)	4288266441 (0xFF99C0C9)
YUV	181.3650, 9.6801, -24.8761
Hunter-Lab	69.7772, -13.3184, -4.1979

# Details

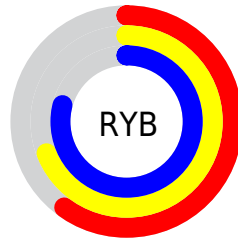
The Yxy color **48.6886, 0.2768, 0.3169** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.5567, 0.3593, 0.3408**, and the grayscale version is **46.3729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7647, 0.2845, 0.3217**, and **23.3385, 0.2675, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **45.2621, 0.2628, 0.3111**, and if you desaturate by 10%, it is **52.4909, 0.2916, 0.3223**.

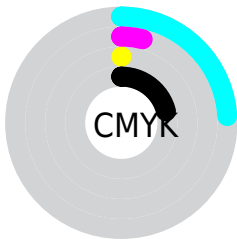
# Distribution



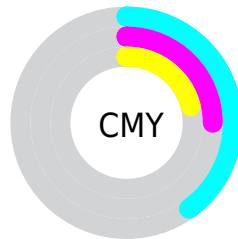
- Red (60%)
- Green (75%)
- Blue (79%)



- Red (60%)
- Yellow (69%)
- Blue (79%)



- Cyan (24%)
- Magenta (4%)
- Yellow (0%)
- Black (21%)




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6886, 0.2768, 0.3169 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 48.6886, 0.2768, 0.3169 by changing the saturation by 10% instead.





 48.6886, 0.2768,  
0.3169


 48.6886, 0.2768,  
0.3169

381.5151, 0.2944,  
0.3231

 34.3725, 0.2725,  
0.3153


 88.2288, 0.2831,  
0.3192

 23.1799, 0.2670,  
0.3132


 114.2217, 0.2855,  
0.3201

 14.7264, 0.2599,  
0.3104


144.8756, 0.2876,  
0.3208

 8.6276, 0.2501,  
0.3064

180.5750, 0.2893,  
0.3214

 4.4991, 0.2359,  
0.3002

221.7043, 0.2908,  
0.3219

 1.9565, 0.2136,  
0.2897

268.6478, 0.2922,

 0.5820, 0.1334,

0.3224

0.2711

321.7899, 0.2934,  
0.3228

0.0000, 0.0000,  
0.0000

48.6886, 0.2768,  
0.3169

48.6886, 0.2768,  
0.3169

45.2621, 0.2628,  
0.3111

52.4909, 0.2916,  
0.3223

42.1888, 0.2498,  
0.3050

56.6788, 0.3067,  
0.3272

39.4522, 0.2383,  
0.2985

61.2690, 0.3221,  
0.3317

37.0325, 0.2283,  
0.2918

66.2753, 0.3374,  
0.3357

34.9071, 0.2202,  
0.2851

71.7108, 0.3524,  
0.3392

■ 33.0501, 0.2140,  
0.2783

■ 73.8899, 0.3528,  
0.3430

■ 31.4303, 0.2096,  
0.2715

■ 75.8280, 0.3520,  
0.3468

■ 30.5234, 0.2076,  
0.2674

■ 77.8105, 0.3512,  
0.3506

■ 79.8379, 0.3505,  
0.3543

# Harmonies

## Analogous

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



48.6886, 0.2856, 0.3347



48.6886, 0.2768, 0.3169



48.6886, 0.2772, 0.3032

# Triad

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



48.6886, 0.2768, 0.3169



48.6886, 0.3231, 0.3081



48.6886, 0.3387, 0.3623

# Complementary

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



48.6886, 0.2768, 0.3169



40.5567, 0.3593, 0.3408

# 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.



48.6886, 0.3494, 0.3538



48.6886, 0.2768, 0.3169



48.6886, 0.3403, 0.3227

# Square

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



48.6886, 0.2768, 0.3169



48.6886, 0.3034, 0.2987



48.6886, 0.3500, 0.3392



48.6886, 0.3211, 0.3616



# Rectangle

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



48.6886, 0.2768, 0.3169



48.6886, 0.2827, 0.2980



48.6886, 0.3500, 0.3392



48.6886, 0.3432, 0.3603

# Sweetspot

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



48.6906, 0.2768, 0.3169



94.6528, 0.3018, 0.3257



51.1525, 0.3036, 0.3832



20.1644, 0.3009, 0.3254



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

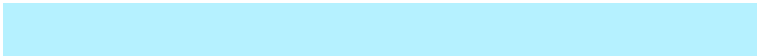


# Same Dimension

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



48.6906, 0.2768, 0.3169



80.0371, 0.2690, 0.3138



39.0648, 0.2741, 0.2839



11.7162, 0.2984, 0.3246



19.3144, 0.2079, 0.2684



1.0045, 0.2118, 0.2824



# Inverse Universe

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



39.0023, 0.3236, 0.2805



60.6867, 0.3267, 0.2691



49.7549, 0.3525, 0.3703



10.7812, 0.3166, 0.3104



9.4898, 0.3743, 0.1836



0.4584, 0.3613, 0.1764



# Previews

## White Background



This preview shows how the Yxy color 48.6886, 0.2768, 0.3169 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

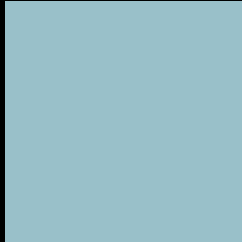
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.6886, 0.2768, 0.3169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

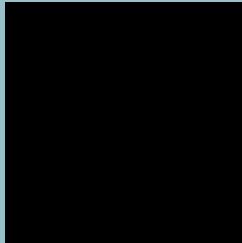
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

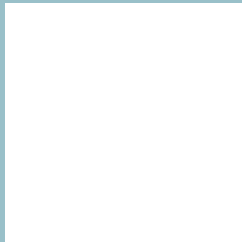
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.6886, 0.2768, 0.3169**

## Background



This preview shows how black text looks on a background with the Yxy color 48.6886, 0.2768, 0.3169.

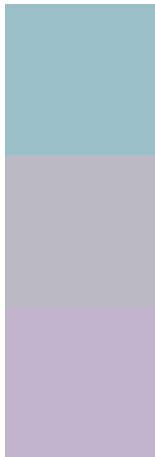


This preview shows how white text looks on a background with the Yxy color 48.6886, 0.2768, 0.3169.

# 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

48.6886, 0.2768, 0.3169

### Protanopia

48.5808, 0.3043, 0.3138

### Deuteranopia

48.4715, 0.3057, 0.2995



## Tritanopia

48.5879, 0.2742, 0.3091

# Trichromacy



## Original Color

48.6886, 0.2768, 0.3169

## Protanomaly

48.5021, 0.2933, 0.3147

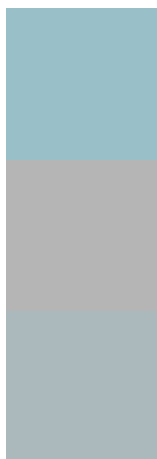
## Deuteranomaly

48.1765, 0.2943, 0.3048

## Tritanomaly

48.4913, 0.2755, 0.3117

# Monochromacy



## Original Color

48.6886, 0.2768, 0.3169

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.9867, 0.2989, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.6886, 0.2768, 0.3169 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, 192, 201)` looks like.

```
.text, #text, p{  
    color:rgb(153, 192, 201)  
}
```

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, 192, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 192, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 48.6886, 0.2768, 0.3169 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, 192, 201) }
```

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

```
.border{ border-color:rgb(153, 192, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 192, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 192, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 192, 201);  
box-shadow:4px 4px 4px 4px rgb(153, 192,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.6886, 0.2768, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 192, 201) }
```

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

```
.background{ background-color: rgb(153,  
192, 201) }
```

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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