

# Converting Colors

$Y_{xy}(48.8608, 0.2772, 0.3151)$

Have a look what the booklet for  
Yxy(48.8608, 0.2772, 0.3151)  
contains.

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# Color

**Yxy(48.9321, 0.2776, 0.3157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BC0CA
RGB	155, 192, 202
RGB Percent	61%, 75%, 79%
CMY	0.3921, 0.2470, 0.2079
CMYK	0.23, 0.05, 0.00, 0.21
HSL	193°, 31%, 70%
HSV	193°, 23%, 79%
XYZ	43.0268, 48.9321, 63.0367
YIQ	182.0770, -25.2620, -4.7340

# Conversions

## Conversions Part 2

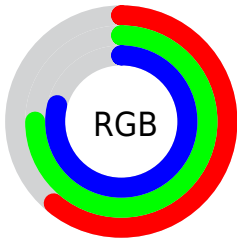
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 176, 202
Decimal	10207434
CIELab	75.41, -10.09, -9.09
CIELCh	75, 13.578, 222.013
Yxy	48.9321, 0.2776, 0.3157
Android (android.graphics.Color)	4288397514 (0xFF9BC0CA)
YUV	182.0770, 9.8220, -23.7465
Hunter-Lab	69.9515, -12.6207, -4.4631

# Details

The Yxy color **48.9321, 0.2776, 0.3157** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.8236, 0.3574, 0.3419**, and the grayscale version is **46.7805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0564, 0.2857, 0.3217**, and **23.4869, 0.2684, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **45.2442, 0.2634, 0.3092**, and if you desaturate by 10%, it is **53.0130, 0.2925, 0.3218**.

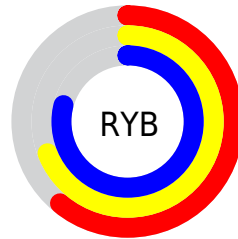
# Distribution



Red (61%)

Green (75%)

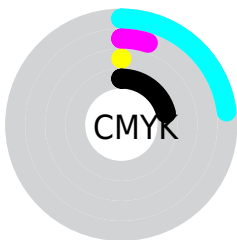
Blue (79%)



Red (61%)

Yellow (69%)

Blue (79%)

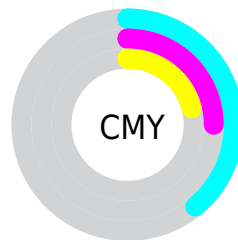


Cyan (23%)

Magenta (5%)

Yellow (0%)

Black (21%)



Cyan (39%)

Magenta (25%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9321, 0.2776, 0.3157 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 48.9321, 0.2776, 0.3157 by changing the saturation by 10% instead.




 48.9321, 0.2776,  
0.3157


 48.9321, 0.2776,  
0.3157

382.4750, 0.2948,  
0.3225

 34.5656, 0.2734,  
0.3140


 88.5906, 0.2838,  
0.3182

 23.3285, 0.2681,  
0.3117


 114.6514, 0.2861,  
0.3191

 14.8362, 0.2611,  
0.3087


145.3791, 0.2881,  
0.3199

 8.7045, 0.2515,  
0.3043

181.1581, 0.2898,  
0.3206

 4.5490, 0.2377,  
0.2978

222.3728, 0.2913,  
0.3212

 1.9851, 0.2160,  
0.2867

269.4076, 0.2926,

 0.5988, 0.1437,

0.3217

0.2666

322.6468, 0.2938,  
0.3221

0.0000, 0.0000,  
0.0000

48.9321, 0.2776,  
0.3157

48.9321, 0.2776,  
0.3157

45.2442, 0.2634,  
0.3092

53.0130, 0.2925,  
0.3218

41.9264, 0.2501,  
0.3022

57.4970, 0.3077,  
0.3273

38.9621, 0.2381,  
0.2948

62.4009, 0.3231,  
0.3323

36.3310, 0.2277,  
0.2872

67.7389, 0.3382,  
0.3368

34.0104, 0.2191,  
0.2795

73.3342, 0.3523,  
0.3408

■ 31.9743, 0.2124,  
0.2717

■ 75.5256, 0.3514,  
0.3452

■ 30.1912, 0.2077,  
0.2640

■ 77.7746, 0.3506,  
0.3495

■ 29.0930, 0.2052,  
0.2588

■ 80.0815, 0.3497,  
0.3537

■ 82.4467, 0.3489,  
0.3579

# Harmonies

## Analogous

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



48.9321, 0.2853, 0.3327



48.9321, 0.2776, 0.3157



48.9321, 0.2790, 0.3031

# Triad

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



48.9321, 0.2776, 0.3157



48.9321, 0.3247, 0.3101



48.9321, 0.3363, 0.3615

# Complementary

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



48.9321, 0.2776, 0.3157



41.8236, 0.3574, 0.3419

# 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.



48.9321, 0.3475, 0.3542



48.9321, 0.2776, 0.3157



48.9321, 0.3407, 0.3246

# Square

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



48.9321, 0.2776, 0.3157



48.9321, 0.3057, 0.3004



48.9321, 0.3492, 0.3405



48.9321, 0.3189, 0.3598



# Rectangle

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



48.9321, 0.2776, 0.3157



48.9321, 0.2848, 0.2986



48.9321, 0.3492, 0.3405



48.9321, 0.3409, 0.3600

# Sweetspot

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



48.9341, 0.2776, 0.3157



94.3765, 0.3018, 0.3252



51.8933, 0.3033, 0.3804



20.1002, 0.3009, 0.3249



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

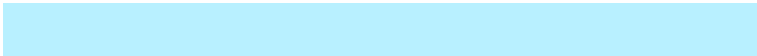


# Same Dimension

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



48.9341, 0.2776, 0.3157



79.5888, 0.2702, 0.3124



39.6465, 0.2751, 0.2842



12.3070, 0.2983, 0.3240



18.8598, 0.2055, 0.2598



1.0767, 0.2097, 0.2748



# Inverse Universe

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



39.8059, 0.3244, 0.2832



61.6570, 0.3275, 0.2728



50.8372, 0.3511, 0.3701



11.3614, 0.3170, 0.3109



9.7069, 0.3826, 0.1881



0.5112, 0.3683, 0.1802



# Previews

## White Background



This preview shows how the Yxy color 48.9321, 0.2776, 0.3157 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

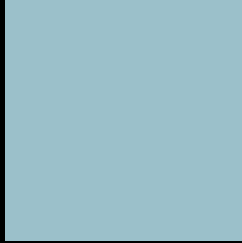
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9321, 0.2776, 0.3157 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

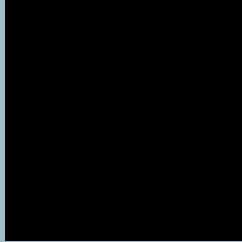
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

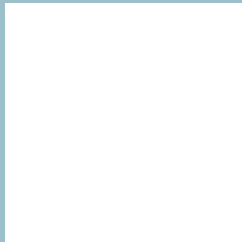
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.9321, 0.2776, 0.3157**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.9321, 0.2776, 0.3157.

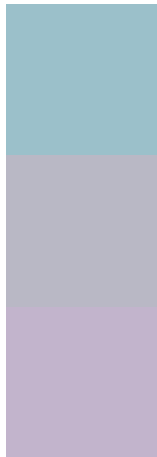


This preview shows how white text looks on a background with the Yxy color 48.9321, 0.2776, 0.3157.

# 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

48.9321, 0.2776, 0.3157

### Protanopia

48.6265, 0.3036, 0.3126

### Deuteranopia

48.4715, 0.3057, 0.2995



## Tritanopia

48.8345, 0.2749, 0.3079

# Trichromacy



## Original Color

48.9321, 0.2776, 0.3157

## Protanomaly

48.6628, 0.2933, 0.3135

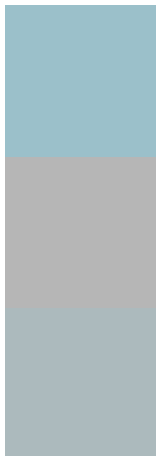
## Deuteranomaly

48.2961, 0.2951, 0.3049

## Tritanomaly

48.7373, 0.2762, 0.3105

# Monochromacy



## Original Color

48.9321, 0.2776, 0.3157

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

47.5626, 0.2990, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9321, 0.2776, 0.3157 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(155, 192, 202)` looks like.

```
.text, #text, p{  
    color:rgb(155, 192, 202)  
}
```

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(155, 192, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 192, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9321, 0.2776, 0.3157 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(155, 192, 202) }
```

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

```
.border{ border-color:rgb(155, 192, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 192, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 192, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 192, 202);  
box-shadow:4px 4px 4px 4px rgb(155, 192,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9321, 0.2776, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 192, 202) }
```

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

```
.background{ background-color: rgb(155,  
192, 202) }
```

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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