

# Converting Colors

$Yxy(49.9043, 0.2711, 0.3317)$

Have a look what the booklet for  
Yxy(49.9043, 0.2711, 0.3317)  
contains.

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# Color

**Yxy(49.8627, 0.2714, 0.3316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BC6C4
RGB	139, 198, 196
RGB Percent	55%, 78%, 77%
CMY	0.4547, 0.2235, 0.2314
CMYK	0.30, 0.00, 0.01, 0.22
HSL	178°, 34%, 66%
HSV	178°, 30%, 78%
XYZ	40.8104, 49.8627, 59.6969
YIQ	180.1310, -34.5220, -13.1300

# Conversions

## Conversions Part 2

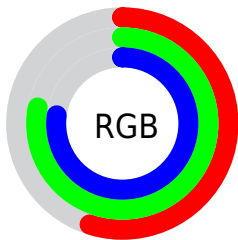
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 169, 198
Decimal	9160388
CIELab	75.98, -19.28, -5.10
CIElCh	76, 19.941, 194.810
Yxy	49.8627, 0.2714, 0.3316
Android (android.graphics.Color)	4287350468 (0xFF8BC6C4)
YUV	180.1310, 7.8234, -36.0719
Hunter-Lab	70.6135, -20.4113, -0.6945

# Details

The Yxy color **49.8627, 0.2714, 0.3316** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.4078, 0.3762, 0.3265**, and the grayscale version is **45.6925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0812, 0.2783, 0.3310**, and **23.8779, 0.2604, 0.3326** is the 20% darker color. If you saturate the color by 10%, you get **48.2807, 0.2599, 0.3326**, and if you desaturate by 10%, it is **51.7575, 0.2843, 0.3307**.

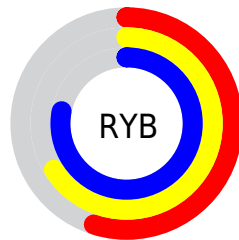
# Distribution



Red (55%)

Green (78%)

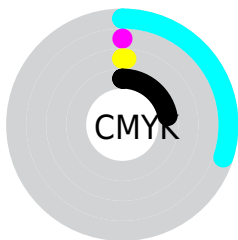
Blue (77%)



Red (55%)

Yellow (66%)

Blue (78%)

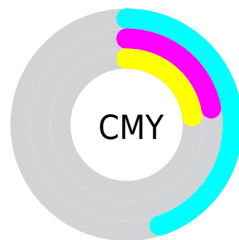


Cyan (30%)

Magenta (0%)

Yellow (1%)

Black (22%)



Cyan (45%)

Magenta (22%)


Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8627, 0.2714, 0.3316 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 49.8627, 0.2714, 0.3316 by changing the saturation by 10% instead.




 49.8627, 0.2714,  
0.3316

 49.8627, 0.2714,  
0.3316


386.1288, 0.2916,  
0.3306

 35.3043, 0.2665,  
0.3318


 89.9714, 0.2786,  
0.3313

 23.8974, 0.2603,  
0.3319


 116.2905, 0.2814,  
0.3312

 15.2575, 0.2521,  
0.3321


 147.2987, 0.2837,  
0.3310

 9.0003, 0.2410,  
0.3321

183.3803, 0.2857,  
0.3309

 4.7414, 0.2250,  
0.3319

224.9197, 0.2875,  
0.3308

 2.0963, 0.2000,  
0.3306

272.3013, 0.2890,

 0.6626, 0.0836,

0.3307


0.3480


325.9095, 0.2904,  
0.3307

 0.0000, 0.0000,  
0.0000

 49.8627, 0.2714,  
0.3316


 49.8627, 0.2714,  
0.3316


 48.2807, 0.2599,  
0.3326


 51.7575, 0.2843,  
0.3307


 46.9889, 0.2499,  
0.3337

 53.9746, 0.2983,  
0.3298


 45.9710, 0.2418,  
0.3347

 56.5303, 0.3131,  
0.3290

 45.2067, 0.2356,  
0.3358

 59.4381, 0.3283,  
0.3283

 44.6729, 0.2312,  
0.3369

 62.7109, 0.3439,  
0.3276

■ 44.3424, 0.2287,  
0.3380

■ 65.8176, 0.3571,  
0.3270

■ 44.1643, 0.2276,  
0.3391

■ 65.8490, 0.3565,  
0.3263

■ 44.1608, 0.2275,  
0.3392

■ 65.8806, 0.3560,  
0.3257

■ 65.9123, 0.3555,  
0.3250

# Harmonies

## Analogous

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



49.8627, 0.2920, 0.3567



49.8627, 0.2714, 0.3316



49.8627, 0.2617, 0.3070

# Triad

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



49.8627, 0.2714, 0.3316



49.8627, 0.3048, 0.2888



49.8627, 0.3625, 0.3667

# Complementary

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



49.8627, 0.2714, 0.3316



32.4078, 0.3762, 0.3265

# 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.



49.8627, 0.3666, 0.3472



49.8627, 0.2714, 0.3316



49.8627, 0.3325, 0.3034

# Square

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



49.8627, 0.2714, 0.3316



49.8627, 0.2803, 0.2838



49.8627, 0.3555, 0.3243



49.8627, 0.3447, 0.3770



# Rectangle

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



49.8627, 0.2714, 0.3316



49.8627, 0.2624, 0.2945



49.8627, 0.3555, 0.3243



49.8627, 0.3656, 0.3609

# Sweetspot

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



49.8647, 0.2714, 0.3316



95.8542, 0.2992, 0.3297



48.0019, 0.3109, 0.4144



20.3835, 0.2971, 0.3299



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.



49.8647, 0.2714, 0.3316



86.3490, 0.2634, 0.3323



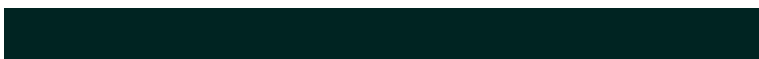
38.8728, 0.2661, 0.2913



12.0611, 0.2988, 0.3298



28.7228, 0.2275, 0.3390



1.3620, 0.2269, 0.3367



# Inverse Universe

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



32.4078, 0.3762, 0.3265



50.2900, 0.3972, 0.3260



40.9880, 0.3684, 0.3638



10.6427, 0.3284, 0.3283



7.8198, 0.6359, 0.3277

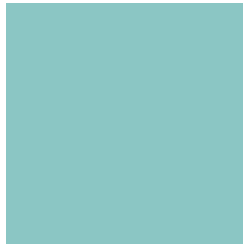


0.3723, 0.6215, 0.3197



# Previews

## White Background



This preview shows how the Yxy color 49.8627, 0.2714, 0.3316 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

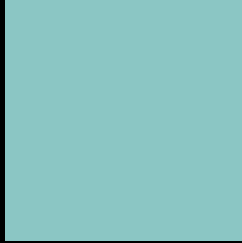
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.8627, 0.2714, 0.3316 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

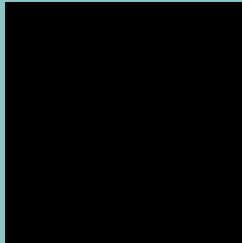
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

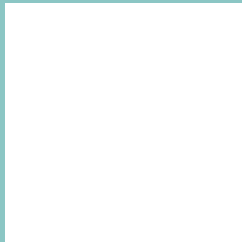
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.8627, 0.2714, 0.3316**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.8627, 0.2714, 0.3316.



This preview shows how white text looks on a background with the Yxy color 49.8627, 0.2714, 0.3316.

# 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

49.8627, 0.2714, 0.3316

### Protanopia

49.6108, 0.3129, 0.3252

### Deuteranopia

49.3134, 0.3137, 0.3071



## Tritanopia

50.0226, 0.2646, 0.3090

# Trichromacy



**Original Color**

49.8627, 0.2714, 0.3316

**Protanomaly**

49.2906, 0.2961, 0.3263

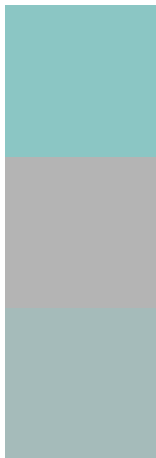
**Deuteranomaly**

48.9650, 0.2964, 0.3149

**Tritanomaly**

50.1395, 0.2671, 0.3168

# Monochromacy



**Original Color**

49.8627, 0.2714, 0.3316

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

47.0852, 0.2957, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8627, 0.2714, 0.3316 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(139, 198, 196)` looks like.

```
.text, #text, p{  
    color:rgb(139, 198, 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(139, 198, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 198, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8627, 0.2714, 0.3316 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(139, 198, 196) }
```

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

```
.border{ border-color:rgb(139, 198, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 198, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 198, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 198, 196); box-shadow:4px 4px 4px 4px rgb(139, 198, 196) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8627, 0.2714, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 198, 196) }
```

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

```
.background{ background-color: rgb(139,  
198, 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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