

# Converting Colors

$Yxy(49.6780, 0.2898, 0.4087)$

Have a look what the booklet for  
Yxy(49.6780, 0.2898, 0.4087)  
contains.

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# Color

**Yxy(49.5253, 0.2898, 0.4086)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7ACC96
RGB	122, 204, 150
RGB Percent	48%, 80%, 59%
CMY	0.5215, 0.2000, 0.4118
CMYK	0.40, 0.00, 0.26, 0.20
HSL	140°, 45%, 64%
HSV	140°, 40%, 80%
XYZ	35.1259, 49.5253, 36.5561
YIQ	173.3260, -31.5380, -34.1780

# Conversions

## Conversions Part 2

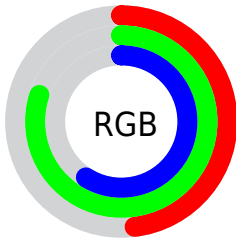
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 183, 204
Decimal	8047766
CIELab	75.78, -36.78, 19.23
CIELCh	76, 41.503, 152.395
Yxy	49.5253, 0.2898, 0.4086
Android (android.graphics.Color)	4286237846 (0xFF7ACC96)
YUV	173.3260, -11.4997, -45.0129
Hunter-Lab	70.3742, -34.0602, 18.4636

# Details

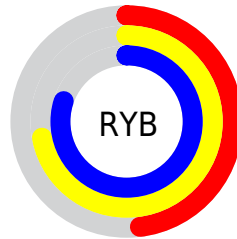
The Yxy color **49.5253, 0.2898, 0.4086** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.8999, 0.3471, 0.2614**, and the grayscale version is **42.0398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2267, 0.2943, 0.3871**, and **23.6247, 0.2819, 0.4330** is the 20% darker color. If you saturate the color by 10%, you get **47.7823, 0.2856, 0.4330**, and if you desaturate by 10%, it is **51.6346, 0.2949, 0.3858**.

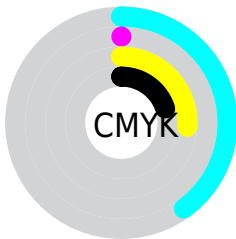
# Distribution



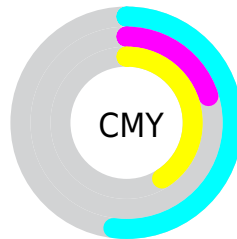
- Red (48%)
- Green (80%)
- Blue (59%)



- Red (48%)
- Yellow (72%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (26%)
- Black (20%)




- Cyan (52%)
- Magenta (20%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5253, 0.2898, 0.4086 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 49.5253, 0.2898, 0.4086 by changing the saturation by 10% instead.




 49.5253, 0.2898,  
0.4086


 49.5253, 0.2898,  
0.4086


384.8067, 0.3021,  
0.3672

 35.0364, 0.2864,  
0.4194


 89.4711, 0.2945,  
0.3932

 23.6909, 0.2819,  
0.4336


 115.6968, 0.2962,  
0.3875

 15.1045, 0.2756,  
0.4530


 146.6036, 0.2976,  
0.3828

 8.8927, 0.2663,  
0.4809

182.5757, 0.2988,  
0.3787

 4.6713, 0.2510,  
0.5242

223.9977, 0.2998,  
0.3752

 2.0557, 0.2258,  
0.6091

271.2540, 0.3007,

 0.6395, 0.0000,

0.3722

1.0000

324.7288, 0.3015,  
0.3696

■ 0.0000, 0.0000,  
0.0000

■ 49.5253, 0.2898,  
0.4086

■ 49.5253, 0.2898,  
0.4086

■ 47.7823, 0.2856,  
0.4330

■ 51.6346, 0.2949,  
0.3858

■ 46.3782, 0.2825,  
0.4584

■ 54.1238, 0.3006,  
0.3649

■ 45.2911, 0.2810,  
0.4839


■ 57.0129, 0.3065,  
0.3460

■ 44.4944, 0.2812,  
0.5084

■ 60.3190, 0.3126,  
0.3293

■ 43.9562, 0.2831,  
0.5310

■ 64.0581, 0.3186,  
0.3145

 43.6230, 0.2862,  
0.5504

 68.2453, 0.3244,  
0.3016

 70.9827, 0.3227,  
0.2893

 71.6660, 0.3151,  
0.2792

# Harmonies

## Analogous

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



49.5253, 0.3455, 0.4324



49.5253, 0.2898, 0.4086



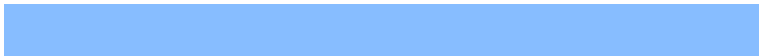
49.5253, 0.2429, 0.3563

# Triad

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



49.5253, 0.2898, 0.4086



49.5253, 0.2320, 0.2409



49.5253, 0.4203, 0.3428

# Complementary

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



49.5253, 0.2898, 0.4086



29.8999, 0.3471, 0.2614

# 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.



49.5253, 0.3843, 0.2998



49.5253, 0.2898, 0.4086



49.5253, 0.2729, 0.2437

# Square

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



49.5253, 0.2898, 0.4086



49.5253, 0.2122, 0.2593



49.5253, 0.3286, 0.2648



49.5253, 0.4234, 0.3863



# Rectangle

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



49.5253, 0.2898, 0.4086



49.5253, 0.2223, 0.3176



49.5253, 0.3286, 0.2648



49.5253, 0.4116, 0.3280

# Sweetspot

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



49.5273, 0.2898, 0.4086



93.4200, 0.3054, 0.3496



53.9011, 0.3492, 0.4360



19.8557, 0.3046, 0.3520



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.



49.5273, 0.2898, 0.4086



79.5436, 0.2862, 0.4291



51.0583, 0.2655, 0.3480



12.5991, 0.3070, 0.3447



27.4724, 0.2855, 0.5478



1.4314, 0.2742, 0.5070



# Inverse Universe

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



29.8999, 0.3471, 0.2614



42.7427, 0.3572, 0.2478



28.5324, 0.3962, 0.3115



11.3362, 0.3189, 0.3138



9.1888, 0.4293, 0.2139



0.4879, 0.4029, 0.1993



# Previews

## White Background



This preview shows how the Yxy color 49.5253, 0.2898, 0.4086 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 49.5253, 0.2898, 0.4086 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

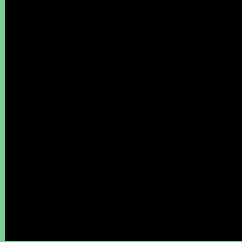
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.5253, 0.2898, 0.4086**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.5253, 0.2898, 0.4086.

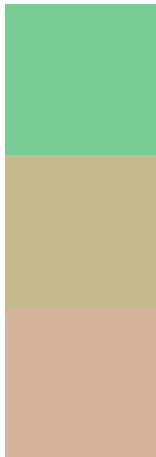


This preview shows how white text looks on a background with the Yxy color 49.5253, 0.2898, 0.4086.

# 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**

49.5253, 0.2898, 0.4086

**Protanopia**

49.1830, 0.3605, 0.3861

**Deuteranopia**

48.9029, 0.3646, 0.3583



## Tritanopia

49.4676, 0.2597, 0.3075

# Trichromacy



## Original Color

49.5253, 0.2898, 0.4086



## Protanomaly

48.8115, 0.3315, 0.3957



## Deuteranomaly

48.0901, 0.3342, 0.3756



## Tritanomaly

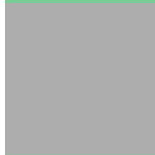
49.3463, 0.2707, 0.3428

# Monochromacy



## Original Color

49.5253, 0.2898, 0.4086



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

43.8676, 0.3024, 0.3560

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.5253, 0.2898, 0.4086 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(122, 204, 150)` looks like.

```
.text, #text, p{  
    color:rgb(122, 204, 150)  
}
```

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(122, 204, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 204, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 49.5253, 0.2898, 0.4086 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(122, 204, 150) }
```

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

```
.border{ border-color:rgb(122, 204, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 204, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 204, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 204, 150);  
box-shadow:4px 4px 4px 4px rgb(122, 204,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.5253, 0.2898, 0.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 204, 150) }
```

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

```
.background{ background-color: rgb(122,  
204, 150) }
```

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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