

# Converting Colors

Yxy(49.3893, 0.2941, 0.4180)

Have a look what the booklet for  
Yxy(49.3893, 0.2941, 0.4180)  
contains.

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**Color**

**Yxy(49.4103, 0.2941, 0.4177)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BCC90
RGB	123, 204, 144
RGB Percent	48%, 80%, 56%
CMY	0.5179, 0.2000, 0.4353
CMYK	0.40, 0.00, 0.29, 0.20
HSL	136°, 44%, 64%
HSV	136°, 40%, 80%
XYZ	34.7895, 49.4103, 34.0916
YIQ	172.9410, -29.0160, -35.8320

# Conversions

## Conversions Part 2

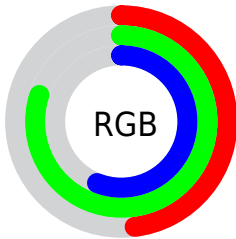
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 187, 204
Decimal	8113296
CIELab	75.71, -37.62, 22.31
CIElCh	76, 43.737, 149.337
Yxy	49.4103, 0.2941, 0.4177
Android (android.graphics.Color)	4286303376 (0xFF7BCC90)
YUV	172.9410, -14.2679, -43.7983
Hunter-Lab	70.2925, -34.6677, 20.4493

# Details

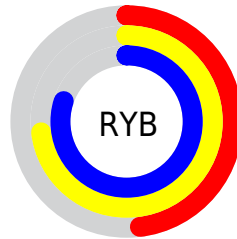
The Yxy color **49.4103, 0.2941, 0.4177** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.4077, 0.3393, 0.2546**, and the grayscale version is **41.8375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0622, 0.2980, 0.3941**, and **23.5504, 0.2873, 0.4458** is the 20% darker color. If you saturate the color by 10%, you get **47.6308, 0.2905, 0.4451**, and if you desaturate by 10%, it is **51.5691, 0.2984, 0.3920**.

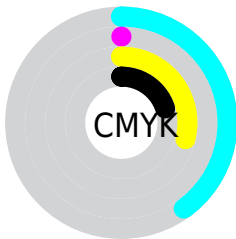
# Distribution



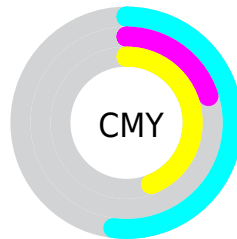
- Red (48%)
- Green (80%)
- Blue (56%)



- Red (48%)
- Yellow (73%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (29%)
- Black (20%)




- Cyan (52%)
- Magenta (20%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4103, 0.2941, 0.4177 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 49.4103, 0.2941, 0.4177 by changing the saturation by 10% instead.





 49.4103, 0.2941,  
0.4177

 49.4103, 0.2941,  
0.4177


384.3554, 0.3046,  
0.3714

 34.9451, 0.2911,  
0.4298


 89.3005, 0.2982,  
0.4004

 23.6206, 0.2870,  
0.4458

 115.4943, 0.2996,  
0.3941

 15.0524, 0.2812,  
0.4675


 146.3664, 0.3008,  
0.3888

 8.8562, 0.2723,  
0.4988

182.3012, 0.3018,  
0.3843

 4.6475, 0.2572,  
0.5473

223.6831, 0.3027,  
0.3804

 2.0420, 0.2361,  
0.6566

270.8965, 0.3034,

 0.6317, 0.0000,

0.3770

1.0000

324.3258, 0.3040,  
0.3740

0.0000, 0.0000,  
0.0000

49.4103, 0.2941,  
0.4177

49.4103, 0.2941,  
0.4177

47.6308, 0.2905,  
0.4451

51.5691, 0.2984,  
0.3920

46.2024, 0.2880,  
0.4733

54.1213, 0.3030,  
0.3685

45.1027, 0.2868,  
0.5012


57.0878, 0.3079,  
0.3473

44.3041, 0.2870,  
0.5274


60.4860, 0.3128,  
0.3285

43.7740, 0.2887,  
0.5504

64.3325, 0.3177,  
0.3121

 43.4560, 0.2915,  
0.5692

 68.6430, 0.3223,  
0.2977

 43.4489, 0.2916,  
0.5697

 71.3357, 0.3187,  
0.2841

 71.6717, 0.3151,  
0.2792

# Harmonies

## Analogous

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



49.4103, 0.3527, 0.4386



49.4103, 0.2941, 0.4177



49.4103, 0.2434, 0.3640

# Triad

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



49.4103, 0.2941, 0.4177



49.4103, 0.2248, 0.2374



49.4103, 0.4238, 0.3383

# Complementary

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



49.4103, 0.2941, 0.4177



30.4077, 0.3393, 0.2546

# 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.



49.4103, 0.3828, 0.2940



49.4103, 0.2941, 0.4177



49.4103, 0.2654, 0.2384

# Square

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



49.4103, 0.2941, 0.4177



49.4103, 0.2066, 0.2588



49.4103, 0.3229, 0.2587



49.4103, 0.4306, 0.3842

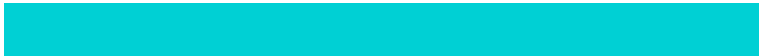


# Rectangle

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



49.4103, 0.2941, 0.4177



49.4103, 0.2203, 0.3227



49.4103, 0.3229, 0.2587



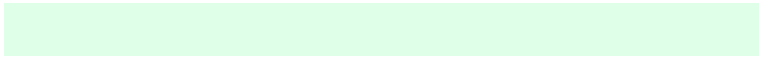
49.4103, 0.4135, 0.3229

# Sweetspot

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



49.4124, 0.2941, 0.4177



93.2775, 0.3067, 0.3522



54.7793, 0.3545, 0.4328



19.8223, 0.3061, 0.3549



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

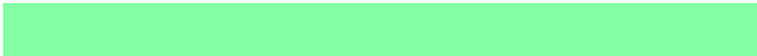


# Same Dimension

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



49.4124, 0.2941, 0.4177



79.1690, 0.2909, 0.4420



50.8485, 0.2699, 0.3575



12.5840, 0.3081, 0.3466



27.3565, 0.2909, 0.5674



1.4240, 0.2798, 0.5274



# Inverse Universe

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



30.4077, 0.3393, 0.2546



43.2640, 0.3473, 0.2388



28.9805, 0.3863, 0.3030



11.3520, 0.3177, 0.3120



9.5021, 0.3991, 0.1972



0.5022, 0.3805, 0.1870



# Previews

## White Background



This preview shows how the Yxy color 49.4103, 0.2941, 0.4177 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

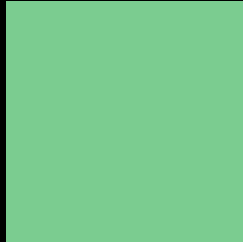
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.4103, 0.2941, 0.4177 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

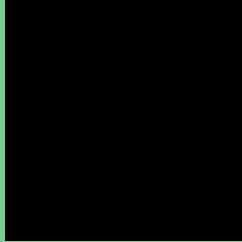
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.4103, 0.2941, 0.4177**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.4103, 0.2941, 0.4177.



This preview shows how white text looks on a background with the Yxy color 49.4103, 0.2941, 0.4177.

# 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

49.4103, 0.2941, 0.4177

### Protanopia

48.6176, 0.3650, 0.3913

### Deuteranopia

48.6417, 0.3712, 0.3630



## Tritanopia

49.0517, 0.2607, 0.3074

# Trichromacy



## Original Color

49.4103, 0.2941, 0.4177



## Protanomaly

48.2213, 0.3355, 0.4014



## Deuteranomaly

47.6238, 0.3392, 0.3810



## Tritanomaly

48.8816, 0.2724, 0.3443

# Monochromacy



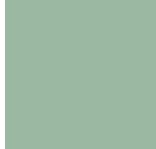
## Original Color

49.4103, 0.2941, 0.4177



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

43.8582, 0.3054, 0.3603

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4103, 0.2941, 0.4177 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(123, 204, 144)` looks like.

```
.text, #text, p{  
    color:rgb(123, 204, 144)  
}
```

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(123, 204, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 204, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4103, 0.2941, 0.4177 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(123, 204, 144) }
```

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

```
.border{ border-color:rgb(123, 204, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 204, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 204, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 204, 144);  
box-shadow:4px 4px 4px 4px rgb(123, 204,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.4103, 0.2941, 0.4177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 204, 144) }
```

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

```
.background{ background-color: rgb(123,  
204, 144) }
```

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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