

# Converting Colors

$Yxy(49.2073, 0.2649, 0.3768)$

Have a look what the booklet for  
Yxy(49.2073, 0.2649, 0.3768)  
contains.

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# Color

**Yxy(49.4079, 0.2649, 0.3778)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65CDAC
RGB	101, 205, 172
RGB Percent	40%, 80%, 67%
CMY	0.6039, 0.1961, 0.3256
CMYK	0.51, 0.00, 0.16, 0.20
HSL	161°, 51%, 60%
HSV	161°, 51%, 80%
XYZ	34.6431, 49.4079, 46.7270
YIQ	170.1420, -51.3910, -32.3110

# Conversions

## Conversions Part 2

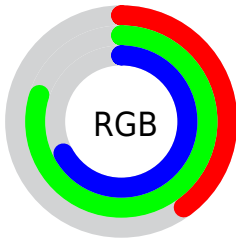
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 163, 205
Decimal	6671788
CIELab	75.70, -38.12, 7.25
CIELCh	76, 38.802, 169.225
Yxy	49.4079, 0.2649, 0.3778
Android (android.graphics.Color)	4284861868 (0xFF65CDAC)
YUV	170.1420, 0.9160, -60.6375
Hunter-Lab	70.2908, -35.0344, 9.7895

# Details

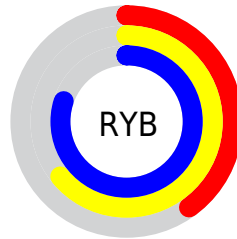
The Yxy color **49.4079, 0.2649, 0.3778** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.0116, 0.4086, 0.2874**, and the grayscale version is **40.2886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3352, 0.2727, 0.3609**, and **23.6001, 0.2511, 0.3916** is the 20% darker color. If you saturate the color by 10%, you get **48.1263, 0.2591, 0.3895**, and if you desaturate by 10%, it is **51.0009, 0.2723, 0.3667**.

# Distribution



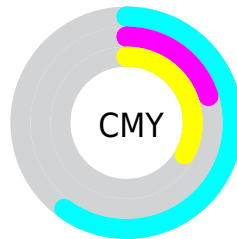
- Red (40%)
- Green (80%)
- Blue (67%)



- Red (40%)
- Yellow (64%)
- Blue (80%)



- Cyan (51%)
- Magenta (0%)
- Yellow (16%)
- Black (20%)




- Cyan (60%)
- Magenta (20%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4079, 0.2649, 0.3778 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 49.4079, 0.2649, 0.3778 by changing the saturation by 10% instead.





 49.4079, 0.2649,  
0.3778


 49.4079, 0.2649,  
0.3778


384.3459, 0.2888,  
0.3529


 34.9432, 0.2589,  
0.3841


 89.2970, 0.2736,  
0.3687


 23.6191, 0.2513,  
0.3924


 115.4901, 0.2769,  
0.3653

 15.0513, 0.2411,  
0.4035


 146.3615, 0.2796,  
0.3624

 8.8554, 0.2270,  
0.4192

 182.2955, 0.2820,  
0.3600

 4.6470, 0.2061,  
0.4432

223.6766, 0.2840,  
0.3578

 2.0417, 0.1713,  
0.4845

270.8891, 0.2858,

 0.6315, 0.0000,

0.3560

0.7777

324.3174, 0.2874,  
0.3544

0.0000, 0.0000,  
0.0000

49.4079, 0.2649,  
0.3778

49.4079, 0.2649,  
0.3778

48.1263, 0.2591,  
0.3895

51.0009, 0.2723,  
0.3667

47.1275, 0.2552,  
0.4015

52.9194, 0.2810,  
0.3562

46.3878, 0.2532,  
0.4137

55.1841, 0.2907,  
0.3465

45.8767, 0.2532,  
0.4258

57.8119, 0.3011,  
0.3376

45.5553, 0.2547,  
0.4369

60.8188, 0.3119,  
0.3296

■ 64.2197, 0.3230,  
0.3224

■ 68.0287, 0.3340,  
0.3160

■ 70.3103, 0.3372,  
0.3098

■ 70.6706, 0.3324,  
0.3034

# Harmonies

## Analogous

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



49.4079, 0.3143, 0.4169



49.4079, 0.2649, 0.3778



49.4079, 0.2301, 0.3242

# Triad

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



49.4079, 0.2649, 0.3778



49.4079, 0.2563, 0.2451



49.4079, 0.4191, 0.3659

# Complementary

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



49.4079, 0.2649, 0.3778



24.0116, 0.4086, 0.2874

# 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.



49.4079, 0.4019, 0.3241



49.4079, 0.2649, 0.3778



49.4079, 0.3038, 0.2578

# Square

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



49.4079, 0.2649, 0.3778



49.4079, 0.2259, 0.2512



49.4079, 0.3581, 0.2858



49.4079, 0.4048, 0.4033



# Rectangle

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



49.4079, 0.2649, 0.3778



49.4079, 0.2187, 0.2917



49.4079, 0.3581, 0.2858



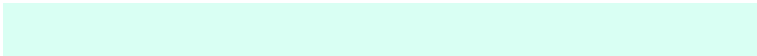
49.4079, 0.4169, 0.3520

# Sweetspot

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



49.4099, 0.2649, 0.3778



92.6955, 0.2964, 0.3414



49.8119, 0.3290, 0.4780



19.6455, 0.2941, 0.3434



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.



49.4099, 0.2649, 0.3778



78.6346, 0.2586, 0.3907



43.0020, 0.2423, 0.3038



12.6640, 0.3025, 0.3365



28.3763, 0.2542, 0.4351



1.4773, 0.2477, 0.4118



# Inverse Universe

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



24.0116, 0.4086, 0.2874



32.4345, 0.4428, 0.2807



26.9574, 0.4437, 0.3513



11.2714, 0.3241, 0.3217



8.3338, 0.5679, 0.2902

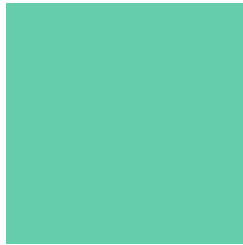


0.4437, 0.5117, 0.2592



# Previews

## White Background



This preview shows how the Yxy color 49.4079, 0.2649, 0.3778 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 49.4079, 0.2649, 0.3778 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 49.4079, 0.2649, 0.3778**

## Background



This preview shows how black text looks on a background with the Yxy color 49.4079, 0.2649, 0.3778.

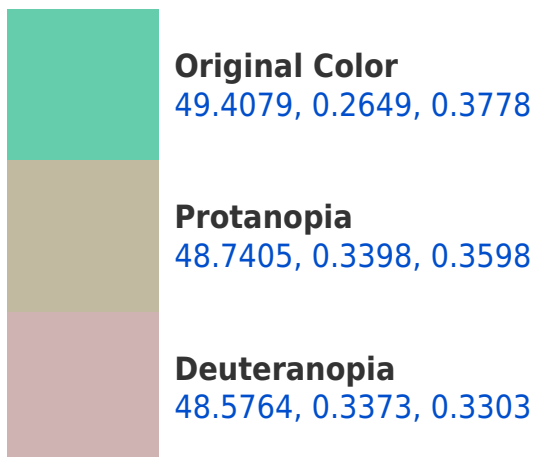


This preview shows how white text looks on a background with the Yxy color 49.4079, 0.2649, 0.3778.

# 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





## Tritanopia

49.3306, 0.2466, 0.3070

# Trichromacy



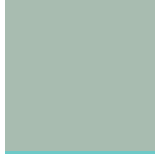
## Original Color

49.4079, 0.2649, 0.3778



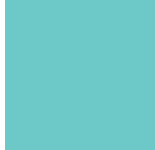
## Protanomaly

47.8895, 0.3070, 0.3663



## Deuteranomaly

47.4259, 0.3054, 0.3451



## Tritanomaly

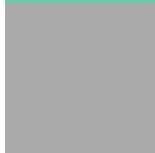
49.1480, 0.2531, 0.3316

# Monochromacy



## Original Color

49.4079, 0.2649, 0.3778



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

42.8270, 0.2907, 0.3463

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4079, 0.2649, 0.3778 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(101, 205, 172)` looks like.

```
.text, #text, p{  
    color:rgb(101, 205, 172)  
}
```

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(101, 205, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 205, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4079, 0.2649, 0.3778 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(101, 205, 172) }
```

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

```
.border{ border-color:rgb(101, 205, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 205, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 205, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 205, 172);  
box-shadow:4px 4px 4px 4px rgb(101, 205,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.4079, 0.2649, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 205, 172) }
```

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

```
.background{ background-color: rgb(101,  
205, 172) }
```

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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