

# Converting Colors

$Yxy(48.9873, 0.2667, 0.3539)$

Have a look what the booklet for  
Yxy(48.9873, 0.2667, 0.3539)  
contains.

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# Color

**Yxy(49.0437, 0.2669, 0.3547)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76C9B7
RGB	118, 201, 183
RGB Percent	46%, 79%, 72%
CMY	0.5373, 0.2117, 0.2824
CMYK	0.41, 0.00, 0.09, 0.21
HSL	167°, 43%, 63%
HSV	167°, 41%, 79%
XYZ	36.9038, 49.0437, 52.3207
YIQ	174.1310, -43.6900, -23.1940

# Conversions

## Conversions Part 2

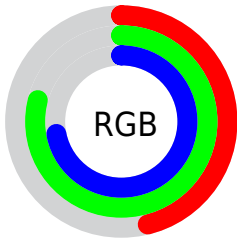
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 165, 201
Decimal	7784887
CIELab	75.48, -29.54, 1.07
CIELCh	75, 29.558, 177.925
Yxy	49.0437, 0.2669, 0.3547
Android (android.graphics.Color)	4285974967 (0xFF76C9B7)
YUV	174.1310, 4.3724, -49.2269
Hunter-Lab	70.0312, -28.4920, 4.7260

# Details

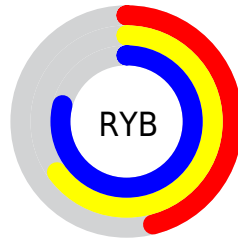
The Yxy color **49.0437, 0.2669, 0.3547** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.1503, 0.3940, 0.3056**, and the grayscale version is **42.3919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7507, 0.2748, 0.3466**, and **23.5359, 0.2547, 0.3630** is the 20% darker color. If you saturate the color by 10%, you get **47.6066, 0.2587, 0.3621**, and if you desaturate by 10%, it is **50.7902, 0.2765, 0.3477**.

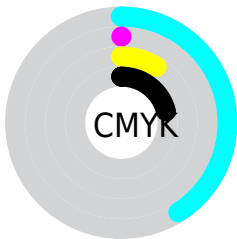
# Distribution



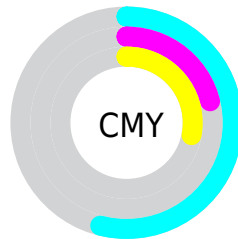
- Red (46%)
- Green (79%)
- Blue (72%)



- Red (46%)
- Yellow (65%)
- Blue (79%)



- Cyan (41%)
- Magenta (0%)
- Yellow (9%)
- Black (21%)




- Cyan (54%)
- Magenta (21%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0437, 0.2669, 0.3547 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 49.0437, 0.2669, 0.3547 by changing the saturation by 10% instead.



 49.0437, 0.2669,  
0.3547


 49.0437, 0.2669,  
0.3547


382.9143, 0.2896,  
0.3419


 34.6541, 0.2613,  
0.3579


 88.7564, 0.2751,  
0.3501

 23.3966, 0.2542,  
0.3619


 114.8482, 0.2782,  
0.3483

 14.8866, 0.2449,  
0.3673


 145.6097, 0.2808,  
0.3469

 8.7398, 0.2320,  
0.3747

181.4251, 0.2830,  
0.3456

 4.5719, 0.2132,  
0.3856

222.6789, 0.2850,  
0.3445

 1.9983, 0.1834,  
0.4031

269.7554, 0.2867,

 0.6065, 0.0000,

0.3435

0.5088

323.0391, 0.2882,  
0.3427

0.0000, 0.0000,  
0.0000

49.0437, 0.2669,  
0.3547

49.0437, 0.2669,  
0.3547

47.6066, 0.2587,  
0.3621

50.7902, 0.2765,  
0.3477

46.4537, 0.2522,  
0.3698

52.8577, 0.2873,  
0.3412

45.5654, 0.2475,  
0.3777


55.2646, 0.2989,  
0.3352

44.9173, 0.2448,  
0.3857

58.0257, 0.3111,  
0.3297

44.4799, 0.2441,  
0.3936

61.1555, 0.3236,  
0.3247

 44.2242, 0.2446,  
0.4005

 64.6672, 0.3362,  
0.3203

 67.8663, 0.3459,  
0.3163

 68.0914, 0.3425,  
0.3119

 68.3225, 0.3391,  
0.3075

# Harmonies

## Analogous

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



49.0437, 0.3031, 0.3883



49.0437, 0.2669, 0.3547



49.0437, 0.2437, 0.3149

# Triad

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



49.0437, 0.2669, 0.3547



49.0437, 0.2790, 0.2647



49.0437, 0.3933, 0.3681

# Complementary

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



49.0437, 0.2669, 0.3547



27.1503, 0.3940, 0.3056

# 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.



49.0437, 0.3868, 0.3357



49.0437, 0.2669, 0.3547



49.0437, 0.3184, 0.2785

# Square

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



49.0437, 0.2669, 0.3547



49.0437, 0.2504, 0.2656



49.0437, 0.3586, 0.3038



49.0437, 0.3769, 0.3933



# Rectangle

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



49.0437, 0.2669, 0.3547



49.0437, 0.2378, 0.2921



49.0437, 0.3586, 0.3038



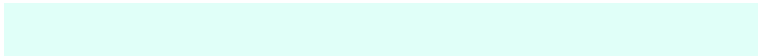
49.0437, 0.3938, 0.3577

# Sweetspot

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



49.0457, 0.2669, 0.3547



94.2312, 0.2979, 0.3357



48.4325, 0.3208, 0.4500



20.0467, 0.2963, 0.3364



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

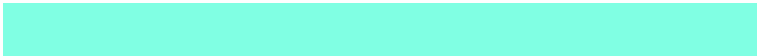


# Same Dimension

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



49.0457, 0.2669, 0.3547



81.6358, 0.2592, 0.3616



40.2556, 0.2515, 0.2969



12.0267, 0.3012, 0.3341



27.8188, 0.2443, 0.3993



1.3273, 0.2397, 0.3829



# Inverse Universe

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



27.1503, 0.3940, 0.3056



38.9399, 0.4235, 0.3008



32.5196, 0.4050, 0.3583



10.6740, 0.3256, 0.3240



7.9314, 0.6008, 0.3083

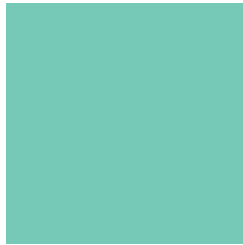


0.3867, 0.5413, 0.2756



# Previews

## White Background



This preview shows how the Yxy color 49.0437, 0.2669, 0.3547 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 49.0437, 0.2669, 0.3547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

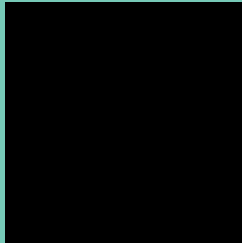
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

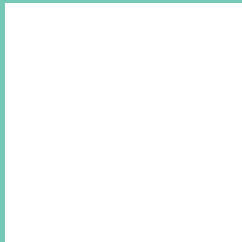
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.0437, 0.2669, 0.3547**

## Background



This preview shows how black text looks on a background with the Yxy color 49.0437, 0.2669, 0.3547.

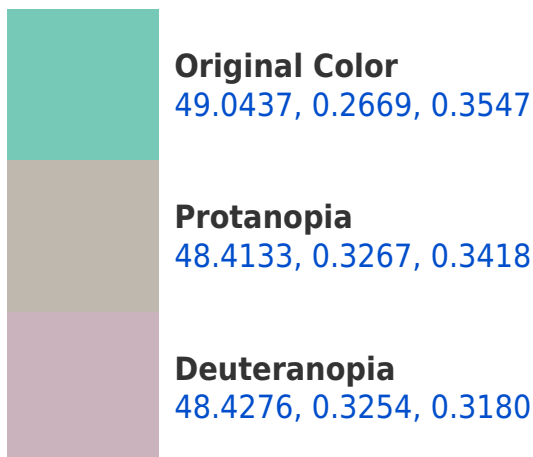


This preview shows how white text looks on a background with the Yxy color 49.0437, 0.2669, 0.3547.

# 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

49.1722, 0.2535, 0.3072

# Trichromacy



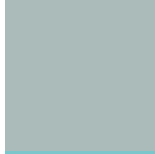
## Original Color

49.0437, 0.2669, 0.3547



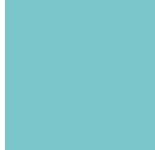
## Protanomaly

47.8937, 0.3014, 0.3466



## Deuteranomaly

47.7437, 0.3004, 0.3303



## Tritanomaly

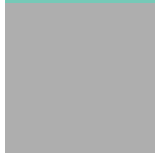
48.8634, 0.2582, 0.3233

# Monochromacy



## Original Color

49.0437, 0.2669, 0.3547



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

44.3253, 0.2935, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0437, 0.2669, 0.3547 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(118, 201, 183)` looks like.

```
.text, #text, p{  
    color:rgb(118, 201, 183)  
}
```

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(118, 201, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 201, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0437, 0.2669, 0.3547 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(118, 201, 183) }
```

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

```
.border{ border-color:rgb(118, 201, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 201, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 201, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 201, 183);  
box-shadow:4px 4px 4px 4px rgb(118, 201,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0437, 0.2669, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 201, 183) }
```

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

```
.background{ background-color: rgb(118,  
201, 183) }
```

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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