

# Converting Colors

$Yxy(49.0628, 0.2622, 0.4076)$

Have a look what the booklet for  
Yxy(49.0628, 0.2622, 0.4076)  
contains.

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# Color

**Yxy(49.0419, 0.2622, 0.4077)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BD09D
RGB	75, 208, 157
RGB Percent	29%, 82%, 62%
CMY	0.7062, 0.1843, 0.3843
CMYK	0.64, 0.00, 0.25, 0.18
HSL	157°, 59%, 55%
HSV	157°, 64%, 82%
XYZ	31.5398, 49.0419, 39.7075
YIQ	162.4190, -62.8970, -44.0570

# Conversions

## Conversions Part 2

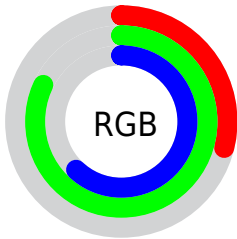
Format	Color
<a href="#">RYB</a>	<a href="#">75, 157, 208</a>
Decimal	<a href="#">4968605</a>
CIELab	<a href="#">75.48, -48.14, 14.83</a>
CIELCh	<a href="#">75, 50.372, 162.878</a>
Yxy	<a href="#">49.0419, 0.2622, 0.4077</a>
Android (android.graphics.Color)	<a href="#">4283158685</a> ( <a href="#">0xFF4BD09D</a> )
YUV	<a href="#">162.4190, -2.6716, -76.6665</a>
Hunter-Lab	<a href="#">70.0299, -42.1602, 15.4031</a>

# Details

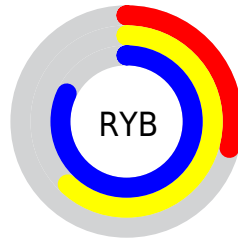
The Yxy color **49.0419, 0.2622, 0.4077** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **19.9381, 0.4358, 0.2691**, and the grayscale version is **36.3654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5918, 0.2702, 0.3803**, and **23.8231, 0.2530, 0.4307** is the 20% darker color. If you saturate the color by 10%, you get **48.0752, 0.2594, 0.4226**, and if you desaturate by 10%, it is **50.3043, 0.2669, 0.3932**.

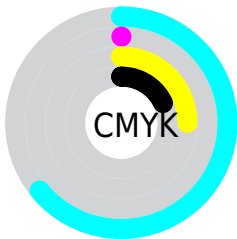
# Distribution



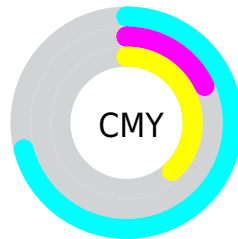
- Red (29%)
- Green (82%)
- Blue (62%)



- Red (29%)
- Yellow (62%)
- Blue (82%)



- Cyan (64%)
- Magenta (0%)
- Yellow (25%)
- Black (18%)




- Cyan (71%)
- Magenta (18%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0419, 0.2622, 0.4077 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 49.0419, 0.2622, 0.4077 by changing the saturation by 10% instead.





 49.0419, 0.2622,  
0.4077

 49.0419, 0.2622,  
0.4077

382.9072, 0.2881,  
0.3667


 34.6527, 0.2556,  
0.4184


 88.7537, 0.2717,  
0.3924

 23.3955, 0.2469,  
0.4325


 114.8451, 0.2753,  
0.3868

 14.8858, 0.2353,  
0.4517


 145.6060, 0.2783,  
0.3821

 8.7393, 0.2188,  
0.4795

 181.4208, 0.2808,  
0.3781

 4.5715, 0.1939,  
0.5227

222.6740, 0.2830,  
0.3747

 1.9981, 0.1382,  
0.6091

269.7498, 0.2849,

 0.6064, 0.0000,

0.3717

1.0000

323.0328, 0.2866,  
0.3691

■ 0.0000, 0.0000,  
0.0000

■ 49.0419, 0.2622,  
0.4077

■ 49.0419, 0.2622,  
0.4077

■ 48.0752, 0.2594,  
0.4226

■ 50.3043, 0.2669,  
0.3932

■ 47.3701, 0.2587,  
0.4375

■ 51.8810, 0.2732,  
0.3792

■ 46.8943, 0.2599,  
0.4522

■ 53.7957, 0.2808,  
0.3661

■ 46.6825, 0.2613,  
0.4608

■ 56.0683, 0.2895,  
0.3539

■ 58.7170, 0.2989,  
0.3428

■ 61.7589, 0.3087,  
0.3327

■ 65.2098, 0.3188,  
0.3237

■ 69.0848, 0.3289,  
0.3157

■ 72.0192, 0.3334,  
0.3082

# Harmonies

## Analogous

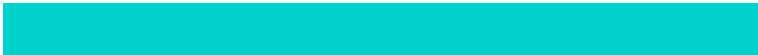
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.0419, 0.3270, 0.4519



49.0419, 0.2622, 0.4077



49.0419, 0.2143, 0.3360

# Triad

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



49.0419, 0.2622, 0.4077



49.0419, 0.2303, 0.2228



49.0419, 0.4496, 0.3616

# Complementary

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



49.0419, 0.2622, 0.4077



19.9381, 0.4358, 0.2691

# 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.



49.0419, 0.4192, 0.3102



49.0419, 0.2622, 0.4077



49.0419, 0.2861, 0.2344

# Square

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



49.0419, 0.2622, 0.4077



49.0419, 0.1985, 0.2343



49.0419, 0.3563, 0.2654



49.0419, 0.4375, 0.4120



# Rectangle

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



49.0419, 0.2622, 0.4077



49.0419, 0.1968, 0.2911



49.0419, 0.3563, 0.2654



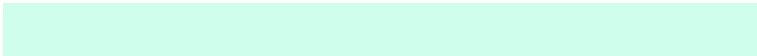
49.0419, 0.4441, 0.3442

# Sweetspot

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



49.0439, 0.2622, 0.4077



90.8021, 0.2939, 0.3485



50.0544, 0.3340, 0.5156



19.1817, 0.2912, 0.3518



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.



49.0439, 0.2622, 0.4077



75.7247, 0.2589, 0.4285



43.9592, 0.2314, 0.3061



13.3271, 0.3033, 0.3381



29.1118, 0.2608, 0.4588



1.6430, 0.2534, 0.4322



# Inverse Universe

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



19.9381, 0.4358, 0.2691



26.0702, 0.4794, 0.2654



21.3076, 0.5044, 0.3470



11.8821, 0.3231, 0.3201



8.7336, 0.5429, 0.2765

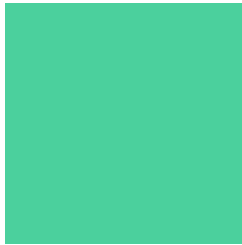


0.5036, 0.4933, 0.2491



# Previews

## White Background



This preview shows how the Yxy color 49.0419, 0.2622, 0.4077 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 49.0419, 0.2622, 0.4077 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

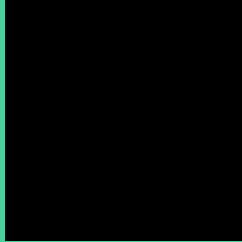
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

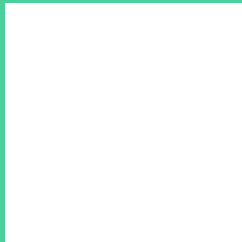
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.0419, 0.2622, 0.4077**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.0419, 0.2622, 0.4077.



This preview shows how white text looks on a background with the Yxy color 49.0419, 0.2622, 0.4077.

# 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

49.0419, 0.2622, 0.4077

### Protanopia

48.0921, 0.3543, 0.3778

### Deuteranopia

48.2228, 0.3533, 0.3463



## Tritanopia

48.8078, 0.2386, 0.3066

# Trichromacy



## Original Color

49.0419, 0.2622, 0.4077



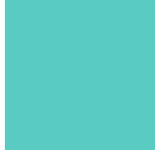
## Protanomaly

47.0173, 0.3114, 0.3902



## Deuteranomaly

46.5455, 0.3109, 0.3679



## Tritanomaly

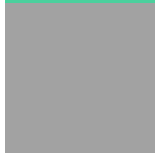
48.7758, 0.2465, 0.3404

# Monochromacy



## Original Color

49.0419, 0.2622, 0.4077



## Achromatopsia

36.1307, 0.3127, 0.3290



## Achromatomaly

39.5241, 0.2868, 0.3580

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0419, 0.2622, 0.4077 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(75, 208, 157)` looks like.

```
.text, #text, p{  
    color:rgb(75, 208, 157)  
}
```

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(75, 208, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 208, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0419, 0.2622, 0.4077 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(75, 208, 157) }
```

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

```
.border{ border-color:rgb(75, 208, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 208, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 208, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 208, 157);  
box-shadow:4px 4px 4px 4px rgb(75, 208,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0419, 0.2622, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 208, 157) }
```

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

```
.background{ background-color: rgb(75, 208,  
157) }
```

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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