

# Converting Colors

$Yxy(49.2408, 0.2711, 0.4960)$

Have a look what the booklet for  
Yxy(49.2408, 0.2711, 0.4960)  
contains.

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# Color

**Yxy(49.2408, 0.2711, 0.4960)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D66F
RGB	0, 214, 111
RGB Percent	0%, 84%, 44%
CMY	1.0000, 0.1608, 0.5647
CMYK	1.00, 0.00, 0.48, 0.16
HSL	151°, 100%, 42%
HSV	151°, 100%, 84%
XYZ	26.9137, 49.2408, 23.1213
YIQ	138.2720, -94.4810, -77.4010

# Conversions

## Conversions Part 2

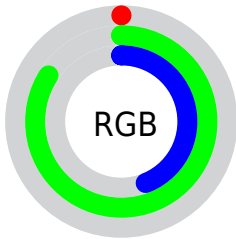
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 141, 214
Decimal	54895
CIELab	75.60, -66.50, 38.61
CIELCh	76, 76.895, 149.858
Yxy	49.2408, 0.2711, 0.4960
Android (android.graphics.Color)	4278244975 (0xFF00D66F)
YUV	138.2720, -13.4451, -121.2645
Hunter-Lab	70.1718, -54.3388, 29.5844

# Details

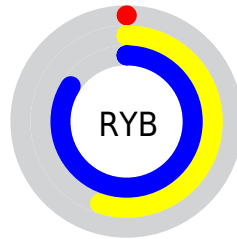
The Yxy color **49.2408, 0.2711, 0.4960** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.2767, 0.5060, 0.2561**, and the grayscale version is **25.6053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1434, 0.2788, 0.4465**, and **24.7800, 0.2823, 0.5364** is the 20% darker color. If you saturate the color by 10%, you get **49.2438, 0.2711, 0.4960**, and if you desaturate by 10%, it is **49.6478, 0.2682, 0.4784**.

# Distribution



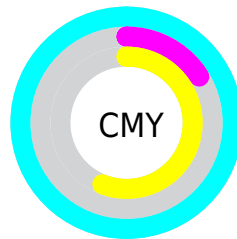
- Red (0%)
- Green (84%)
- Blue (44%)



- Red (0%)
- Yellow (55%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (16%)




- Cyan (100%)
- Magenta (16%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2408, 0.2711, 0.4960 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 49.2408, 0.2711, 0.4960 by changing the saturation by 10% instead.





 49.2408, 0.2711,  
0.4960


 49.2408, 0.2711,  
0.4960

383.6895, 0.2958,  
0.4062


 34.8105, 0.2636,  
0.5201


 89.0490, 0.2810,  
0.4620


 23.5170, 0.2532,  
0.5518


 115.1957, 0.2845,  
0.4497


 14.9757, 0.2381,  
0.5949


 146.0167, 0.2873,  
0.4394

 8.8023, 0.2147,  
0.6558

 181.8963, 0.2896,  
0.4307

 4.6125, 0.1793,  
0.7573

 223.2191, 0.2915,  
0.4232

 2.0217, 0.0089,  
0.9911


270.3692, 0.2932,


 0.6201, 0.0000,


0.4168


1.0000


323.7313, 0.2946,  
0.4111


 0.0000, 0.0000,  
0.0000

 49.2408, 0.2711,  
0.4960


 49.2408, 0.2711,  
0.4960


 49.2438, 0.2711,  
0.4960

 49.6478, 0.2682,  
0.4784

 50.2605, 0.2670,  
0.4599

 51.1429, 0.2677,  
0.4410

 52.3294, 0.2705,  
0.4221

 53.8487, 0.2749,  
0.4037

■ 55.7263, 0.2809,  
0.3861

■ 57.9849, 0.2879,  
0.3698

■ 60.6456, 0.2958,  
0.3548

■ 63.7275, 0.3041,  
0.3412

# Harmonies

## Analogous

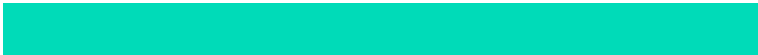
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.2408, 0.3665, 0.5236



49.2408, 0.2711, 0.4960



49.2408, 0.1923, 0.3874

# Triad

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



49.2408, 0.2711, 0.4960



49.2408, 0.1717, 0.1809



49.2408, 0.5074, 0.3343

# Complementary

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



49.2408, 0.2711, 0.4960



15.2767, 0.5060, 0.2561

# 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.



49.2408, 0.4365, 0.2693



49.2408, 0.2711, 0.4960



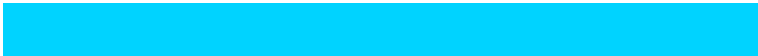
49.2408, 0.2329, 0.1856

# Square

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



49.2408, 0.2711, 0.4960



49.2408, 0.1447, 0.2074



49.2408, 0.3285, 0.2167



49.2408, 0.5094, 0.4051

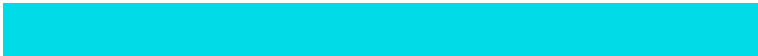


# Rectangle

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



49.2408, 0.2711, 0.4960



49.2408, 0.1598, 0.3085



49.2408, 0.3285, 0.2167



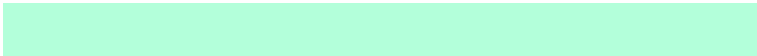
49.2408, 0.4908, 0.3118

# Sweetspot

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



49.2438, 0.2711, 0.4960



86.1154, 0.2877, 0.3703



51.0058, 0.3337, 0.5732



18.1125, 0.2846, 0.3771



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.



49.2438, 0.2711, 0.4960



73.1928, 0.2716, 0.4976



51.1659, 0.2232, 0.3236



14.0025, 0.3046, 0.3404



29.7839, 0.2704, 0.4934



1.8131, 0.2619, 0.4627



# Inverse Universe

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



15.2767, 0.5060, 0.2561



22.6838, 0.5082, 0.2573



14.3745, 0.6391, 0.3308



12.5194, 0.3216, 0.3178



9.2540, 0.5026, 0.2542

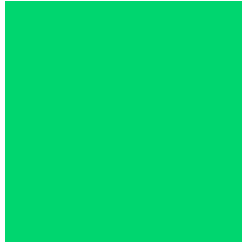


0.5748, 0.4629, 0.2324



# Previews

## White Background



This preview shows how the Yxy color 49.2408, 0.2711, 0.4960 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 49.2408, 0.2711, 0.4960 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

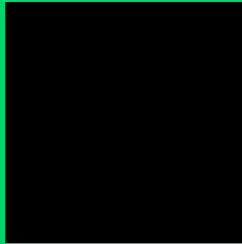
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.2408, 0.2711, 0.4960**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.2408, 0.2711, 0.4960.



This preview shows how white text looks on a background with the Yxy color 49.2408, 0.2711, 0.4960.

# 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

49.2408, 0.2711, 0.4960

### Protanopia

48.3340, 0.3959, 0.4317

### Deuteranopia

48.3299, 0.4033, 0.3959



## Tritanopia

49.0523, 0.2322, 0.3065

# Trichromacy



## Original Color

49.2408, 0.2711, 0.4960



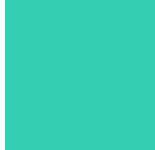
## Protanomaly

45.1669, 0.3233, 0.4659



## Deuteranomaly

43.7740, 0.3263, 0.4380



## Tritanomaly

48.1274, 0.2432, 0.3701

# Monochromacy



## Original Color

49.2408, 0.2711, 0.4960



## Achromatopsia

25.4152, 0.3127, 0.3290



## Achromatomaly

30.9057, 0.2774, 0.3977

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2408, 0.2711, 0.4960 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(0, 214, 111)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 111)  
}
```

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(0, 214, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2408, 0.2711, 0.4960 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(0, 214, 111) }
```

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

```
.border{ border-color:rgb(0, 214, 111) }
```

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

Here you see how a box with a 4 pixel rgb(0, 214, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2408, 0.2711, 0.4960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 111) }
```

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

```
.background{ background-color: rgb(0, 214,  
111) }
```

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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