

# Converting Colors

$Y_{xy}(44.7549, 0.2718, 0.4958)$

Have a look what the booklet for  
Yxy(44.7549, 0.2718, 0.4958)  
contains.

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# Color

**Yxy(44.7549, 0.2718, 0.4958)**

# Conversions

## Conversions Part 1

Format	Color
Hex	08CD6A
RGB	8, 205, 106
RGB Percent	3%, 80%, 42%
CMY	0.9676, 0.1961, 0.5843
CMYK	0.96, 0.00, 0.48, 0.20
HSL	150°, 92%, 42%
HSV	150°, 96%, 80%
XYZ	24.5349, 44.7549, 20.9783
YIQ	134.8110, -85.6330, -72.5530

# Conversions

## Conversions Part 2

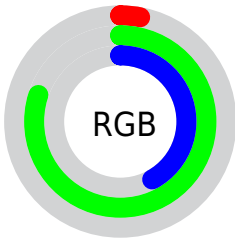
<b>Format</b>	<b>Color</b>
<b>RYB</b>	8, 140, 205
Decimal	576874
CIELab	72.73, -64.10, 37.47
CIELCh	73, 74.246, 149.691
Yxy	44.7549, 0.2718, 0.4958
Android (android.graphics.Color)	4278766954 (0xFF08CD6A)
YUV	134.8110, -14.2038, -111.2132
Hunter-Lab	66.8991, -51.6096, 28.2371

# Details

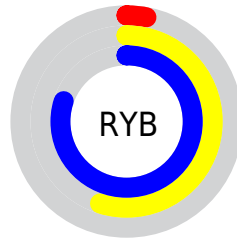
The Yxy color **44.7549, 0.2718, 0.4958** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **14.2256, 0.4865, 0.2478**, and the grayscale version is **24.2620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9068, 0.2806, 0.4533**, and **21.7804, 0.2824, 0.5367** is the 20% darker color. If you saturate the color by 10%, you get **44.6190, 0.2731, 0.5030**, and if you desaturate by 10%, it is **45.1888, 0.2693, 0.4772**.

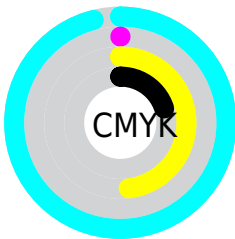
# Distribution



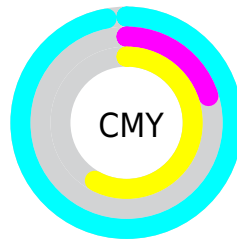
- Red (3%)
- Green (80%)
- Blue (42%)



- Red (3%)
- Yellow (55%)
- Blue (80%)



- Cyan (96%)
- Magenta (0%)
- Yellow (48%)
- Black (20%)




- Cyan (97%)
- Magenta (20%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7549, 0.2718, 0.4958 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 44.7549, 0.2718, 0.4958 by changing the saturation by 10% instead.




 44.7549, 0.2718,  
0.4958


 44.7549, 0.2718,  
0.4958


365.7800, 0.2965,  
0.4048


 31.2644, 0.2641,  
0.5207


 82.3525, 0.2819,  
0.4610


 20.8003, 0.2533,  
0.5539


 107.2284, 0.2853,  
0.4485

 12.9781, 0.2373,  
0.5995


 136.6682, 0.2881,  
0.4380

 7.4135, 0.2120,  
0.6649

 171.0563, 0.2904,  
0.4293

 3.7220, 0.1771,  
0.7971

 210.7772, 0.2923,  
0.4218

 1.5193, 0.0000,  
1.0000

256.2152, 0.2939,

 0.3023, 0.0000,

0.4153


1.0000


307.7546, 0.2953,  
0.4097


 0.0000, 0.0000,  
0.0000


 44.7549, 0.2718,  
0.4958


 44.7549, 0.2718,  
0.4958


 44.6190, 0.2731,  
0.5030

 45.1888, 0.2693,  
0.4772

 45.8449, 0.2688,  
0.4578

 46.7605, 0.2702,  
0.4380

 47.9643, 0.2736,  
0.4184

 49.4808, 0.2785,  
0.3995

■ 51.3320, 0.2847,  
0.3816

■ 53.5377, 0.2918,  
0.3651

■ 56.1163, 0.2996,  
0.3500

■ 59.0848, 0.3078,  
0.3364

# Harmonies

## Analogous

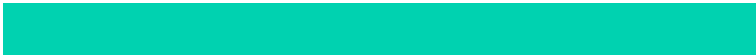
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.7549, 0.3670, 0.5229



44.7549, 0.2718, 0.4958



44.7549, 0.1930, 0.3879

# Triad

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



44.7549, 0.2718, 0.4958



44.7549, 0.1718, 0.1813



44.7549, 0.5066, 0.3340

# Complementary

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



44.7549, 0.2718, 0.4958



14.2256, 0.4865, 0.2478

# 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.



44.7549, 0.4355, 0.2691



44.7549, 0.2718, 0.4958



44.7549, 0.2327, 0.1859

# Square

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



44.7549, 0.2718, 0.4958



44.7549, 0.1451, 0.2080



44.7549, 0.3279, 0.2167



44.7549, 0.5090, 0.4046



# Rectangle

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



44.7549, 0.2718, 0.4958



44.7549, 0.1604, 0.3092



44.7549, 0.3279, 0.2167



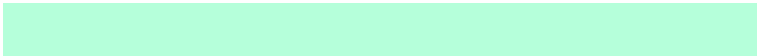
44.7549, 0.4899, 0.3115

# Sweetspot

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



44.7567, 0.2718, 0.4958



86.4005, 0.2893, 0.3706



46.9902, 0.3405, 0.5655



18.1623, 0.2862, 0.3777



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.



44.7567, 0.2718, 0.4958



73.0438, 0.2737, 0.5052



47.9674, 0.2265, 0.3336



12.6284, 0.3050, 0.3409



27.7960, 0.2724, 0.5005



1.4493, 0.2623, 0.4644



# Inverse Universe

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



14.2256, 0.4865, 0.2478



22.8271, 0.4987, 0.2521



13.1839, 0.6324, 0.3291



11.3063, 0.3213, 0.3174



8.7109, 0.4929, 0.2489

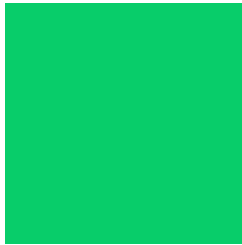


0.4647, 0.4504, 0.2255



# Previews

## White Background



This preview shows how the Yxy color 44.7549, 0.2718, 0.4958 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 44.7549, 0.2718, 0.4958 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 44.7549, 0.2718, 0.4958**

## Background



This preview shows how black text looks on a background with the Yxy color 44.7549, 0.2718, 0.4958.



This preview shows how white text looks on a background with the Yxy color 44.7549, 0.2718, 0.4958.

# 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

44.7549, 0.2718, 0.4958

### Protanopia

43.8909, 0.3969, 0.4318

### Deuteranopia

43.7599, 0.4037, 0.3950



## Tritanopia

44.8067, 0.2326, 0.3070

# Trichromacy



## Original Color

44.7549, 0.2718, 0.4958



## Protanomaly

40.9728, 0.3266, 0.4643



## Deuteranomaly

40.1147, 0.3297, 0.4366



## Tritanomaly

44.1236, 0.2441, 0.3700

# Monochromacy



## Original Color

44.7549, 0.2718, 0.4958



## Achromatopsia

24.2281, 0.3127, 0.3290



## Achromatomaly

28.7207, 0.2800, 0.3957

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.7549, 0.2718, 0.4958 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(8, 205, 106)` looks like.

```
.text, #text, p{  
    color:rgb(8, 205, 106)  
}
```

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(8, 205, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 205, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 44.7549, 0.2718, 0.4958 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(8, 205, 106) }
```

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

```
.border{ border-color:rgb(8, 205, 106) }
```

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

Here you see how a box with a 4 pixel rgb(8, 205, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 205, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 205, 106);  
box-shadow:4px 4px 4px 4px rgb(8, 205,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.7549, 0.2718, 0.4958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 205, 106) }
```

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

```
.background{ background-color: rgb(8, 205,  
106) }
```

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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