

# Converting Colors

$Y_{xy}(44.2007, 0.2715, 0.4973)$

Have a look what the booklet for  
Yxy(44.2007, 0.2715, 0.4973)  
contains.

<b>Yxy(44.2057, 0.2713, 0.4968)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(44.2057, 0.2713, 0.4968)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CC69
RGB	0, 204, 105
RGB Percent	0%, 80%, 41%
CMY	1.0000, 0.2000, 0.5881
CMYK	1.00, 0.00, 0.49, 0.20
HSL	151°, 100%, 40%
HSV	151°, 100%, 80%
XYZ	24.1405, 44.2057, 20.6347
YIQ	131.7180, -89.8050, -74.0370

# Conversions

## Conversions Part 2

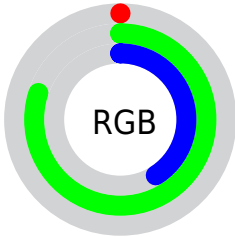
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 135, 204
Decimal	52329
CIELab	72.37, -64.24, 37.48
CIELCh	72, 74.374, 149.743
Yxy	44.2057, 0.2713, 0.4968
Android (android.graphics.Color)	4278242409 (0xFF00CC69)
YUV	131.7180, -13.1720, -115.5167
Hunter-Lab	66.4874, -51.5424, 28.1402

# Details

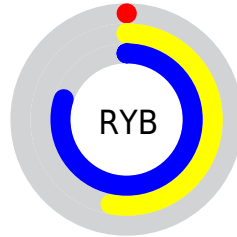
The Yxy color **44.2057, 0.2713, 0.4968** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.7387, 0.5037, 0.2548**, and the grayscale version is **23.0432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8134, 0.2807, 0.4548**, and **21.4556, 0.2827, 0.5378** is the 20% darker color. If you saturate the color by 10%, you get **44.2100, 0.2713, 0.4968**, and if you desaturate by 10%, it is **44.5785, 0.2685, 0.4791**.

# Distribution



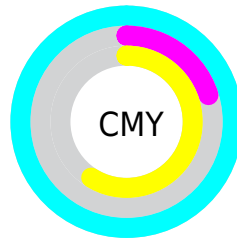
- Red (0%)
- Green (80%)
- Blue (41%)



- Red (0%)
- Yellow (53%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2057, 0.2713, 0.4968 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 44.2057, 0.2713, 0.4968 by changing the saturation by 10% instead.





 44.2057, 0.2713,  
0.4968

 44.2057, 0.2713,  
0.4968


363.5470, 0.2963,  
0.4050


 30.8323, 0.2635,  
0.5220


 81.5272, 0.2815,  
0.4617


 20.4711, 0.2525,  
0.5556


 106.2440, 0.2850,  
0.4490


 12.7380, 0.2362,  
0.6018


 135.5108, 0.2878,  
0.4385

 7.2484, 0.2103,  
0.6682

 169.7118, 0.2901,  
0.4297

 3.6179, 0.1753,  
0.8077

 209.2316, 0.2921,  
0.4222

 1.4622, 0.0000,  
1.0000

254.4544, 0.2937,

 0.2619, 0.0000,

0.4157


1.0000

305.7648, 0.2951,  
0.4100


 0.0000, 0.0000,  
0.0000


 44.2057, 0.2713,  
0.4968


 44.2057, 0.2713,  
0.4968


 44.2100, 0.2713,  
0.4968

 44.5785, 0.2685,  
0.4791

 45.1330, 0.2673,  
0.4605

 45.9294, 0.2680,  
0.4415

 46.9982, 0.2708,  
0.4225

 48.3648, 0.2752,  
0.4040

■ 50.0519, 0.2811,  
0.3864

■ 52.0799, 0.2881,  
0.3700

■ 54.4672, 0.2959,  
0.3549

■ 57.2311, 0.3042,  
0.3412

# Harmonies

## Analogous

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



44.2057, 0.3669, 0.5240



44.2057, 0.2713, 0.4968



44.2057, 0.1922, 0.3880

# Triad

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



44.2057, 0.2713, 0.4968



44.2057, 0.1712, 0.1806



44.2057, 0.5078, 0.3340

# Complementary

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



44.2057, 0.2713, 0.4968



13.7387, 0.5037, 0.2548

# 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.



44.2057, 0.4364, 0.2689



44.2057, 0.2713, 0.4968



44.2057, 0.2324, 0.1853

# Square

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



44.2057, 0.2713, 0.4968



44.2057, 0.1444, 0.2072



44.2057, 0.3281, 0.2163



44.2057, 0.5099, 0.4048

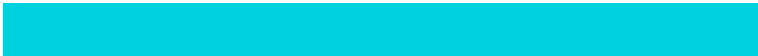


# Rectangle

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



44.2057, 0.2713, 0.4968



44.2057, 0.1596, 0.3088



44.2057, 0.3281, 0.2163



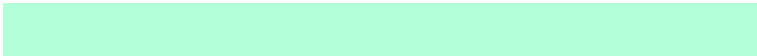
44.2057, 0.4911, 0.3114

# Sweetspot

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



44.2100, 0.2713, 0.4968



86.1003, 0.2879, 0.3706



46.0142, 0.3361, 0.5713



18.1089, 0.2848, 0.3775



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.



44.2100, 0.2713, 0.4968



73.1667, 0.2719, 0.4989



47.5492, 0.2247, 0.3287



12.6318, 0.3047, 0.3405



27.8429, 0.2707, 0.4943



1.4517, 0.2609, 0.4593



# Inverse Universe

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



13.7387, 0.5037, 0.2548



22.7078, 0.5066, 0.2564



12.8384, 0.6401, 0.3300



11.3028, 0.3215, 0.3178



8.6652, 0.5005, 0.2531

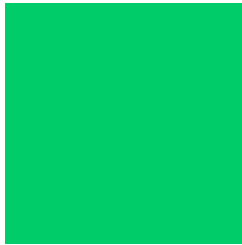


0.4624, 0.4562, 0.2287



# Previews

## White Background



This preview shows how the Yxy color 44.2057, 0.2713, 0.4968 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 44.2057, 0.2713, 0.4968 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 44.2057, 0.2713, 0.4968**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.2057, 0.2713, 0.4968.



This preview shows how white text looks on a background with the Yxy color 44.2057, 0.2713, 0.4968.

# 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

44.2057, 0.2713, 0.4968

### Protanopia

43.3462, 0.3973, 0.4323

### Deuteranopia

43.2172, 0.4042, 0.3953



## Tritanopia

44.3137, 0.2327, 0.3069

# Trichromacy



## Original Color

44.2057, 0.2713, 0.4968



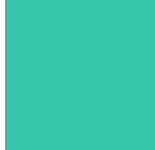
## Protanomaly

40.2296, 0.3242, 0.4661



## Deuteranomaly

39.3463, 0.3272, 0.4381



## Tritanomaly

43.5509, 0.2435, 0.3703

# Monochromacy



## Original Color

44.2057, 0.2713, 0.4968



## Achromatopsia

23.0740, 0.3127, 0.3290



## Achromatomaly

27.7437, 0.2775, 0.3970

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.2057, 0.2713, 0.4968 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, 204, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 105)  
}
```

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, 204, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 44.2057, 0.2713, 0.4968 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, 204, 105) }
```

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

```
.border{ border-color:rgb(0, 204, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.2057, 0.2713, 0.4968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 105) }
```

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

```
.background{ background-color: rgb(0, 204,  
105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor