

Converting Colors

$Y_{xy}(39.4995, 0.2551, 0.5509)$

Have a look what the booklet for
Yxy(39.4995, 0.2551, 0.5509)
contains.

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Color

Yxy(41.3969, 0.2822, 0.5359)

Conversions

Conversions Part 1

Format	Color
Hex	00C74E
RGB	0, 199, 78
RGB Percent	0%, 78%, 31%
CMY	0.9998, 0.2196, 0.6941
CMYK	1.00, 0.00, 0.61, 0.22
HSL	144°, 100%, 39%
HSV	144°, 100%, 78%
XYZ	21.7992, 41.3969, 14.0513
YIQ	125.7050, -79.7630, -79.8190

Conversions

Conversions Part 2

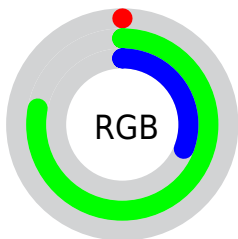
Format	Color
RYB	0, 143, 199
Decimal	51022
CIELab	70.45, -66.58, 47.99
CIELCh	70, 82.075, 144.219
Yxy	41.3969, 0.2822, 0.5359
Android (android.graphics.Color)	4278241102 (0xFF00C74E)
YUV	125.7050, -23.5186, -110.2433
Hunter-Lab	64.3404, -52.1180, 32.0899

Details

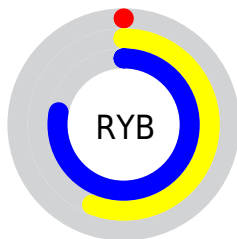
The Yxy color **41.3969, 0.2822, 0.5359** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **13.5246, 0.4515, 0.2261**, and the grayscale version is **20.8658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9254, 0.2920, 0.4902**, and **19.7068, 0.2954, 0.5835** is the 20% darker color. If you saturate the color by 10%, you get **41.3980, 0.2822, 0.5359**, and if you desaturate by 10%, it is **41.7363, 0.2790, 0.5161**.

Distribution



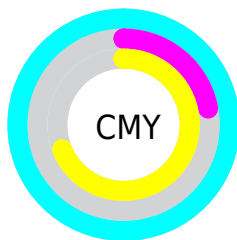
- Red (0%)
- Green (78%)
- Blue (31%)



- Red (0%)
- Yellow (56%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3969, 0.2822, 0.5359 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 41.3969, 0.2822, 0.5359 by changing the saturation by 10% instead.


 41.3969, 0.2822,
0.5359


 41.3969, 0.2822,
0.5359


351.9767, 0.3043,
0.4215

 28.6293, 0.2739,
0.5672


 77.2860, 0.2922,
0.4920


 18.8006, 0.2615,
0.6085


 101.1764, 0.2953,
0.4762

 11.5263, 0.2418,
0.6640


 129.5432, 0.2977,
0.4631

 6.4220, 0.2122,
0.7509

 162.7707, 0.2996,
0.4521

 3.1033, 0.1451,
0.8549

 201.2435, 0.3012,
0.4427

 1.1859, 0.0000,
1.0000

245.3458, 0.3024,

 0.0502, 0.0000,

0.4346

1.0000

295.4621, 0.3035,
0.4276

■ 0.0000, 0.0000,
0.0000

■ 41.3969, 0.2822,
0.5359

■ 41.3969, 0.2822,
0.5359

■ 41.3980, 0.2822,
0.5359

■ 41.7363, 0.2790,
0.5161

■ 42.2596, 0.2772,
0.4943

■ 43.0229, 0.2773,
0.4710

■ 44.0553, 0.2792,
0.4473

■ 45.3815, 0.2826,
0.4240

■ 47.0236, 0.2874,
0.4016

■ 49.0011, 0.2930,
0.3807

■ 51.3323, 0.2993,
0.3616

■ 54.0337, 0.3060,
0.3443

Harmonies

Analogous

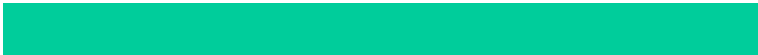
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.3969, 0.3868, 0.5406



41.3969, 0.2822, 0.5359



41.3969, 0.1909, 0.4219

Triad

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



41.3969, 0.2822, 0.5359



41.3969, 0.1499, 0.1687



41.3969, 0.5224, 0.3174

Complementary

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



41.3969, 0.2822, 0.5359



13.5246, 0.4515, 0.2261

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.



41.3969, 0.4303, 0.2498



41.3969, 0.2822, 0.5359



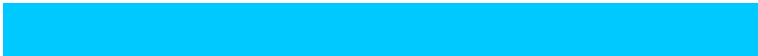
41.3969, 0.2080, 0.1688

Square

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



41.3969, 0.2822, 0.5359



41.3969, 0.1276, 0.2030



41.3969, 0.3069, 0.1972



41.3969, 0.5358, 0.3919

Rectangle

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



41.3969, 0.2822, 0.5359



41.3969, 0.1513, 0.3273



41.3969, 0.3069, 0.1972



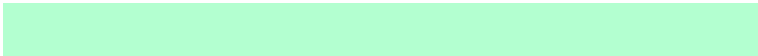
41.3969, 0.4992, 0.2939

Sweetspot

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



41.3986, 0.2822, 0.5359



85.6220, 0.2928, 0.3816



45.0395, 0.3535, 0.5575



17.9963, 0.2902, 0.3904



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.



41.3986, 0.2822, 0.5359



72.4388, 0.2829, 0.5385



43.9746, 0.2350, 0.3659



11.9556, 0.3064, 0.3434



26.6352, 0.2815, 0.5334



1.2753, 0.2696, 0.4904

Inverse Universe

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



13.5246, 0.4515, 0.2261



23.6288, 0.4539, 0.2274



12.2063, 0.6265, 0.3225



10.7435, 0.3196, 0.3150



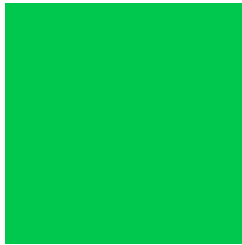
8.7131, 0.4492, 0.2248



0.4265, 0.4156, 0.2063

Previews

White Background



This preview shows how the Yxy color 41.3969, 0.2822, 0.5359 looks on a white background.

Color Contrast Check

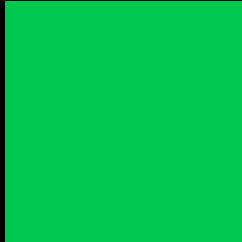
Large Text (above 18pt) WCAG AA × Fail

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 41.3969, 0.2822, 0.5359 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 41.3969, 0.2822, 0.5359

Background



This preview shows how black text looks on a background with the Yxy color 41.3969, 0.2822, 0.5359.



This preview shows how white text looks on a background with the Yxy color 41.3969, 0.2822, 0.5359.

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

41.3969, 0.2822, 0.5359

Protanopia

40.5152, 0.4142, 0.4548

Deuteranopia

40.6173, 0.4267, 0.4179



Tritanopia

41.4672, 0.2339, 0.3064

Trichromacy



Original Color

41.3969, 0.2822, 0.5359



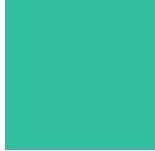
Protanomaly

37.5937, 0.3396, 0.4985



Deuteranomaly

36.7749, 0.3459, 0.4712



Tritanomaly

40.3740, 0.2486, 0.3855

Monochromacy



Original Color

41.3969, 0.2822, 0.5359



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

25.5921, 0.2837, 0.4159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3969, 0.2822, 0.5359 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, 199, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 78)  
}
```

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, 199, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 78) }
```

Border

The CSS property to change the border of an element to Yxy 41.3969, 0.2822, 0.5359 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, 199, 78) }
```

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

```
.border{ border-color:rgb(0, 199, 78) }
```

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

Here you see how a box with a 4 pixel rgb(0, 199, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 78);  
box-shadow:4px 4px 4px 4px rgb(0, 199, 78)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.3969, 0.2822, 0.5359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 78) }
```

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

```
.background{ background-color: rgb(0, 199,  
78) }
```

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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