

Converting Colors

$Yxy(41.0502, 0.2914, 0.5689)$

Have a look what the booklet for
Yxy(41.0502, 0.2914, 0.5689)
contains.

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Color

Yxy(41.0948, 0.2914, 0.5691)

Conversions

Conversions Part 1

Format	Color
Hex	00C734
RGB	0, 199, 52
RGB Percent	0%, 78%, 20%
CMY	1.0000, 0.2196, 0.7960
CMYK	1.00, 0.00, 0.74, 0.22
HSL	136°, 100%, 39%
HSV	136°, 100%, 78%
XYZ	21.0420, 41.0948, 10.0733
YIQ	122.7410, -71.4170, -87.9050

Conversions

Conversions Part 2

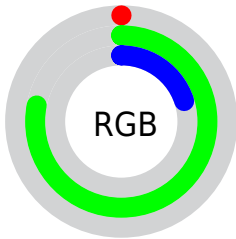
Format	Color
RYB	0, 158, 199
Decimal	50996
CIELab	70.24, -69.26, 58.24
CIELCh	70, 90.492, 139.941
Yxy	41.0948, 0.2914, 0.5691
Android (android.graphics.Color)	4278241076 (0xFF00C734)
YUV	122.7410, -34.8753, -107.6439
Hunter-Lab	64.1052, -53.5929, 35.5570

Details

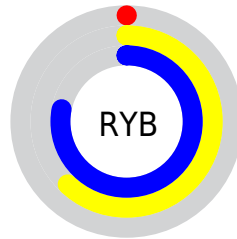
The Yxy color **41.0948, 0.2914, 0.5691** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **14.2491, 0.4008, 0.1982**, and the grayscale version is **19.8539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4275, 0.3014, 0.5173**, and **19.6449, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.0975, 0.2914, 0.5691**, and if you desaturate by 10%, it is **41.3989, 0.2887, 0.5503**.

Distribution



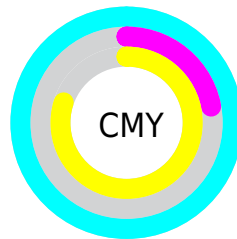
- Red (0%)
- Green (78%)
- Blue (20%)



- Red (0%)
- Yellow (62%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0948, 0.2914, 0.5691 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 41.0948, 0.2914, 0.5691 by changing the saturation by 10% instead.

 41.0948, 0.2914,
0.5691

 41.0948, 0.2914,
0.5691


350.7167, 0.3118,
0.4370


 28.3932, 0.2823,
0.6041


 76.8278, 0.3016,
0.5190


 18.6222, 0.2680,
0.6489


 100.6279, 0.3046,
0.5007


 11.3976, 0.2448,
0.7068


 128.8964, 0.3067,
0.4855

 6.3350, 0.2089,
0.7911

 162.0175, 0.3083,
0.4727

 3.0498, 0.1259,
0.8741

 200.3757, 0.3095,
0.4618

 1.1578, 0.0000,
1.0000

 244.3553, 0.3105,

 0.0268, 0.0000,

0.4524

1.0000

294.3409, 0.3112,
0.4442

■ 0.0000, 0.0000,
0.0000

■ 41.0948, 0.2914,
0.5691

■ 41.0948, 0.2914,
0.5691

■ 41.0975, 0.2914,
0.5691

■ 41.3989, 0.2887,
0.5503

■ 41.8969, 0.2869,
0.5274

■ 42.6474, 0.2867,
0.5013

■ 43.6812, 0.2879,
0.4735

■ 45.0242, 0.2904,
0.4453

■ 46.6996, 0.2939,
0.4180

■ 48.7281, 0.2982,
0.3924

■ 51.1287, 0.3029,
0.3689

■ 53.9192, 0.3078,
0.3478

Harmonies

Analogous

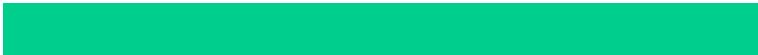
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.0948, 0.4031, 0.5500



41.0948, 0.2914, 0.5691



41.0948, 0.1903, 0.4556

Triad

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



41.0948, 0.2914, 0.5691



41.0948, 0.1327, 0.1590



41.0948, 0.5336, 0.3025

Complementary

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



41.0948, 0.2914, 0.5691



14.2491, 0.4008, 0.1982

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.



41.0948, 0.4226, 0.2334



41.0948, 0.2914, 0.5691



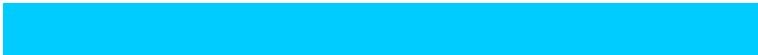
41.0948, 0.1875, 0.1553

Square

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



41.0948, 0.2914, 0.5691



41.0948, 0.1140, 0.2000



41.0948, 0.2874, 0.1811



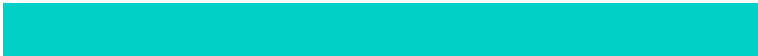
41.0948, 0.5578, 0.3792

Rectangle

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



41.0948, 0.2914, 0.5691



41.0948, 0.1447, 0.3464



41.0948, 0.2874, 0.1811



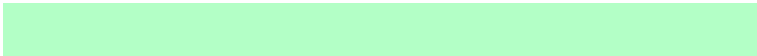
41.0948, 0.5043, 0.2784

Sweetspot

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



41.0975, 0.2914, 0.5691



85.1444, 0.2980, 0.3935



47.2629, 0.3755, 0.5400



17.8851, 0.2961, 0.4042



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.



41.0975, 0.2914, 0.5691



71.9211, 0.2920, 0.5713



43.0274, 0.2478, 0.4122



11.9326, 0.3081, 0.3465



26.4374, 0.2908, 0.5668



1.2641, 0.2788, 0.5238

Inverse Universe

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



14.2491, 0.4008, 0.1982



24.9058, 0.4022, 0.1989



12.3710, 0.5942, 0.3047



10.7674, 0.3177, 0.3121



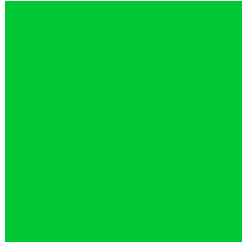
9.1769, 0.3995, 0.1974



0.4459, 0.3797, 0.1865

Previews

White Background



This preview shows how the Yxy color 41.0948, 0.2914, 0.5691 looks on a white background.

Color Contrast Check

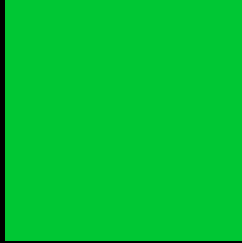
Large Text (above 18pt) WCAG AA × Fail

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 41.0948, 0.2914, 0.5691 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 41.0948, 0.2914, 0.5691

Background



This preview shows how black text looks on a background with the Yxy color 41.0948, 0.2914, 0.5691.



This preview shows how white text looks on a background with the Yxy color 41.0948, 0.2914, 0.5691.

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

41.0948, 0.2914, 0.5691

Protanopia

40.3916, 0.4283, 0.4737

Deuteranopia

40.2311, 0.4460, 0.4371



Tritanopia

41.1287, 0.2353, 0.3064

Trichromacy



Original Color

41.0948, 0.2914, 0.5691



Protanomaly

37.3987, 0.3524, 0.5254



Deuteranomaly

36.1478, 0.3618, 0.4998



Tritanomaly

40.0983, 0.2546, 0.4033

Monochromacy



Original Color

41.0948, 0.2914, 0.5691



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

24.6160, 0.2913, 0.4382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0948, 0.2914, 0.5691 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 52) }
```

Border

The CSS property to change the border of an element to Yxy 41.0948, 0.2914, 0.5691 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, 52) }
```

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

```
.border{ border-color:rgb(0, 199, 52) }
```

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, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 52);  
box-shadow:4px 4px 4px 4px rgb(0, 199, 52)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.0948, 0.2914, 0.5691 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, 52) }
```

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

```
.background{ background-color: rgb(0, 199,  
52) }
```

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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