

Converting Colors

$Yxy(39.5848, 0.2837, 0.6019)$

Have a look what the booklet for
Yxy(39.5848, 0.2837, 0.6019)
contains.

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Color

Yxy(40.4541, 0.2976, 0.5913)

Conversions

Conversions Part 1

Format	Color
Hex	00C618
RGB	0, 198, 24
RGB Percent	0%, 78%, 9%
CMY	0.9995, 0.2235, 0.9057
CMYK	1.00, 0.00, 0.88, 0.22
HSL	127°, 100%, 39%
HSV	127°, 100%, 78%
XYZ	20.3605, 40.4541, 7.6010
YIQ	118.9620, -62.1540, -96.0900

Conversions

Conversions Part 2

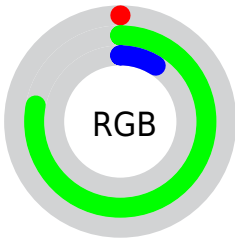
Format	Color
RYB	0, 177, 198
Decimal	50712
CIELab	69.79, -70.62, 65.57
CIELCh	70, 96.365, 137.126
Yxy	40.4541, 0.2976, 0.5913
Android (android.graphics.Color)	4278240792 (0xFF00C618)
YUV	118.9620, -46.8163, -104.3297
Hunter-Lab	63.6035, -54.1656, 37.4370

Details

The Yxy color **40.4541, 0.2976, 0.5913** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **15.0689, 0.3541, 0.1724**, and the grayscale version is **18.6166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1248, 0.3084, 0.5368**, and **19.3460, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.4544, 0.2976, 0.5914**, and if you desaturate by 10%, it is **40.7001, 0.2964, 0.5774**.

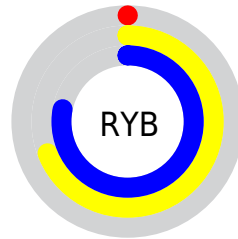
Distribution



Red (0%)

Green (78%)

Blue (9%)



Red (0%)

Yellow (69%)

Blue (78%)

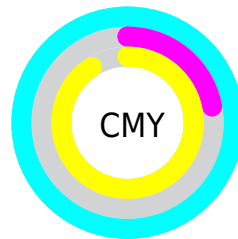


Cyan (100%)

Magenta (0%)

Yellow (88%)

Black (22%)



Cyan (100%)


Magenta (22%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4541, 0.2976, 0.5913 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 40.4541, 0.2976, 0.5913 by changing the saturation by 10% instead.


 40.4541, 0.2976,
0.5913


 40.4541, 0.2976,
0.5913


348.0338, 0.3174,
0.4479


 27.8928, 0.2874,
0.6280


 75.8545, 0.3085,
0.5377


 18.2448, 0.2712,
0.6737


 99.4624, 0.3114,
0.5178


 11.1259, 0.2474,
0.7385


 127.5212, 0.3134,
0.5012

 6.1516, 0.2011,
0.7989

 160.4154, 0.3149,
0.4872

 2.9375, 0.1088,
0.8912

 198.5294, 0.3159,
0.4752

 1.0992, 0.0000,
1.0000

 242.2475, 0.3166,

 0.0000, 0.0000,

0.4648

0.0000

291.9542, 0.3171,
0.4558

■ 40.4541, 0.2976,
0.5913

■ 40.4541, 0.2976,
0.5913

■ 40.4544, 0.2976,
0.5914

■ 40.7001, 0.2964,
0.5774

■ 41.1490, 0.2956,
0.5568

■ 41.8606, 0.2957,
0.5303

■ 42.8679, 0.2968,
0.4998

■ 44.1988, 0.2986,
0.4675

■ 45.8779, 0.3010,
0.4354

■ 47.9275, 0.3038,
0.4047

■ 50.3681, 0.3068,
0.3766

■ 53.2186, 0.3098,
0.3512

Harmonies

Analogous

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



40.4541, 0.4141, 0.5535



40.4541, 0.2976, 0.5913



40.4541, 0.1902, 0.4820

Triad

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



40.4541, 0.2976, 0.5913



40.4541, 0.1212, 0.1526



40.4541, 0.5405, 0.2918

Complementary

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



40.4541, 0.2976, 0.5913



15.0689, 0.3541, 0.1724

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.



40.4541, 0.4157, 0.2217



40.4541, 0.2976, 0.5913



40.4541, 0.1735, 0.1462

Square

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



40.4541, 0.2976, 0.5913



40.4541, 0.1050, 0.1984



40.4541, 0.2731, 0.1701



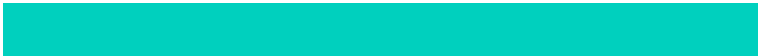
40.4541, 0.5731, 0.3695

Rectangle

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



40.4541, 0.2976, 0.5913



40.4541, 0.1402, 0.3620



40.4541, 0.2731, 0.1701



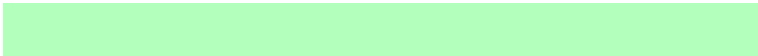
40.4541, 0.5066, 0.2673

Sweetspot

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



40.4558, 0.2976, 0.5913



84.6639, 0.3037, 0.4063



49.4935, 0.3989, 0.5215



17.7747, 0.3025, 0.4192



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.



40.4558, 0.2976, 0.5913



71.6179, 0.2980, 0.5927



41.7986, 0.2612, 0.4604



11.9084, 0.3100, 0.3499



26.3150, 0.2972, 0.5900



1.2531, 0.2894, 0.5619

Inverse Universe

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



15.0689, 0.3541, 0.1724



26.6526, 0.3547, 0.1727



12.5306, 0.5455, 0.2779



10.7937, 0.3156, 0.3089



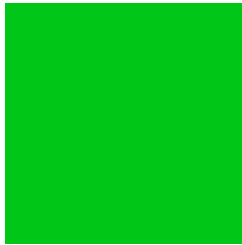
9.8056, 0.3536, 0.1722



0.4707, 0.3459, 0.1679

Previews

White Background



This preview shows how the Yxy color 40.4541, 0.2976, 0.5913 looks on a white background.

Color Contrast Check

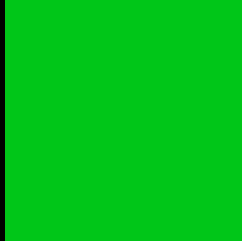
Large Text (above 18pt) WCAG AA × Fail

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 40.4541, 0.2976, 0.5913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

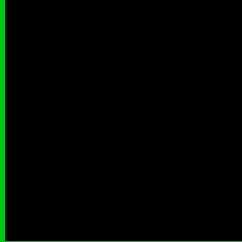
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

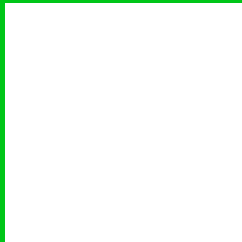
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4541, 0.2976, 0.5913

Background



This preview shows how black text looks on a background with the Yxy color 40.4541, 0.2976, 0.5913.



This preview shows how white text looks on a background with the Yxy color 40.4541, 0.2976, 0.5913.

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

40.4541, 0.2976, 0.5913

Protanopia

39.8549, 0.4384, 0.4862

Deuteranopia

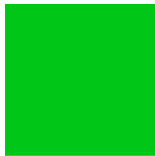
39.7002, 0.4570, 0.4488



Tritanopia

40.2435, 0.2360, 0.3062

Trichromacy



Original Color

40.4541, 0.2976, 0.5913



Protanomaly

36.8206, 0.3616, 0.5445



Deuteranomaly

35.5695, 0.3721, 0.5192



Tritanomaly

38.9013, 0.2610, 0.4224

Monochromacy



Original Color

40.4541, 0.2976, 0.5913



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

23.3564, 0.2997, 0.4614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4541, 0.2976, 0.5913 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, 198, 24)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 24)  
}
```

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, 198, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 24) }
```

Border

The CSS property to change the border of an element to Yxy 40.4541, 0.2976, 0.5913 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, 198, 24) }
```

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

```
.border{ border-color:rgb(0, 198, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 198, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 24);  
box-shadow:4px 4px 4px 4px rgb(0, 198, 24)  
}
```


Background

The CSS property to change the background color of an element to Yxy 40.4541, 0.2976, 0.5913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 24) }
```

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

```
.background{ background-color: rgb(0, 198,  
24) }
```

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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