

Converting Colors

$Y_{xy}(46.7039, 0.2887, 0.5614)$

Have a look what the booklet for
Yxy(46.7039, 0.2887, 0.5614)
contains.

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Color

Yxy(46.9474, 0.2893, 0.5614)

Conversions

Conversions Part 1

Format	Color
Hex	00D33F
RGB	0, 211, 63
RGB Percent	0%, 83%, 25%
CMY	0.9991, 0.1725, 0.7530
CMYK	1.00, 0.00, 0.70, 0.17
HSL	138°, 100%, 41%
HSV	138°, 100%, 83%
XYZ	24.1929, 46.9474, 12.4853
YIQ	131.0390, -78.2480, -90.7600

Conversions

Conversions Part 2

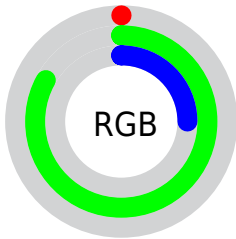
Format	Color
RYB	0, 162, 211
Decimal	54079
CIELab	74.16, -71.73, 58.28
CIELCh	74, 92.420, 140.908
Yxy	46.9474, 0.2893, 0.5614
Android (android.graphics.Color)	4278244159 (0xFF00D33F)
YUV	131.0390, -33.5432, -114.9212
Hunter-Lab	68.5182, -56.8808, 37.1590

Details

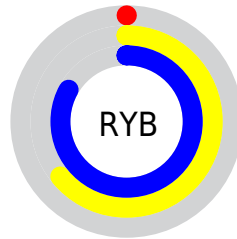
The Yxy color **46.9474, 0.2893, 0.5614** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **15.9998, 0.4146, 0.2058**, and the grayscale version is **22.8792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8313, 0.2988, 0.5052**, and **23.4427, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **46.9462, 0.2893, 0.5616**, and if you desaturate by 10%, it is **47.2994, 0.2863, 0.5420**.

Distribution



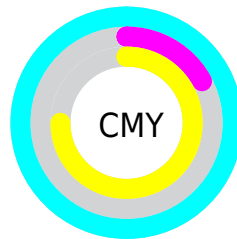
- Red (0%)
- Green (83%)
- Blue (25%)



- Red (0%)
- Yellow (64%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (17%)




- Cyan (100%)
- Magenta (17%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9474, 0.2893, 0.5614 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 46.9474, 0.2893, 0.5614 by changing the saturation by 10% instead.


 46.9474, 0.2893,
0.5614


 46.9474, 0.2893,
0.5614


374.6045, 0.3097,
0.4358

 32.9941, 0.2809,
0.5940


 85.6351, 0.2991,
0.5144

 22.1219, 0.2681,
0.6356


 111.1383, 0.3021,
0.4970

 13.9465, 0.2479,
0.6890


 141.2602, 0.3043,
0.4826

 8.0835, 0.2200,
0.7759

 176.3852, 0.3059,
0.4703

 4.1484, 0.1601,
0.8399

 216.8978, 0.3072,
0.4598

 1.7569, 0.0000,
1.0000

263.1822, 0.3083,

 0.4601, 0.0000,

0.4507

1.0000

315.6230, 0.3091,
0.4428

■ 0.0000, 0.0000,
0.0000

■ 46.9474, 0.2893,
0.5614

■ 46.9474, 0.2893,
0.5614

■ 46.9462, 0.2893,
0.5616

■ 47.2994, 0.2863,
0.5420

■ 47.8739, 0.2844,
0.5191

■ 48.7340, 0.2841,
0.4935

■ 49.9143, 0.2855,
0.4666

■ 51.4446, 0.2882,
0.4396

■ 53.3509, 0.2921,
0.4136

■ 55.6570, 0.2967,
0.3892

■ 58.3845, 0.3019,
0.3668

■ 61.5533, 0.3073,
0.3467

Harmonies

Analogous

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



46.9474, 0.3993, 0.5482



46.9474, 0.2893, 0.5614



46.9474, 0.1905, 0.4473

Triad

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



46.9474, 0.2893, 0.5614



46.9474, 0.1367, 0.1613



46.9474, 0.5310, 0.3060

Complementary

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



46.9474, 0.2893, 0.5614



15.9998, 0.4146, 0.2058

Split Complementary

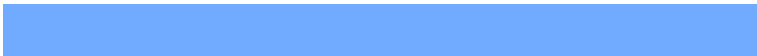
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.9474, 0.4246, 0.2372



46.9474, 0.2893, 0.5614



46.9474, 0.1923, 0.1585

Square

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



46.9474, 0.2893, 0.5614



46.9474, 0.1172, 0.2007



46.9474, 0.2920, 0.1848



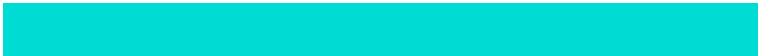
46.9474, 0.5526, 0.3823

Rectangle

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



46.9474, 0.2893, 0.5614



46.9474, 0.1462, 0.3416



46.9474, 0.2920, 0.1848



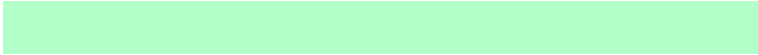
46.9474, 0.5032, 0.2821

Sweetspot

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



46.9493, 0.2893, 0.5614



85.2743, 0.2965, 0.3902



53.1959, 0.3697, 0.5446



17.9152, 0.2945, 0.4004



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.



46.9493, 0.2893, 0.5614



72.0407, 0.2898, 0.5634



49.3194, 0.2446, 0.4006



13.2634, 0.3076, 0.3458



28.3474, 0.2886, 0.5590



1.5990, 0.2781, 0.5211

Inverse Universe

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



15.9998, 0.4146, 0.2058



24.5178, 0.4160, 0.2065



14.0503, 0.6046, 0.3105



11.9466, 0.3183, 0.3128



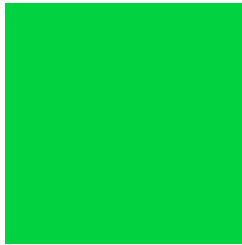
9.6704, 0.4130, 0.2049



0.5543, 0.3922, 0.1934

Previews

White Background



This preview shows how the Yxy color 46.9474, 0.2893, 0.5614 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 46.9474, 0.2893, 0.5614 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 46.9474, 0.2893, 0.5614

Background



This preview shows how black text looks on a background with the Yxy color 46.9474, 0.2893, 0.5614.



This preview shows how white text looks on a background with the Yxy color 46.9474, 0.2893, 0.5614.

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

46.9474, 0.2893, 0.5614

Protanopia

46.0201, 0.4263, 0.4689

Deuteranopia

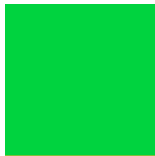
45.8882, 0.4413, 0.4324



Tritanopia

46.7150, 0.2347, 0.3061

Trichromacy



Original Color

46.9474, 0.2893, 0.5614



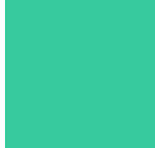
Protanomaly

42.6719, 0.3493, 0.5200



Deuteranomaly

41.4253, 0.3577, 0.4930



Tritanomaly

45.5219, 0.2532, 0.3993

Monochromacy



Original Color

46.9474, 0.2893, 0.5614



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

28.0212, 0.2891, 0.4323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9474, 0.2893, 0.5614 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, 211, 63)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 63)  
}
```

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, 211, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 63) }
```

Border

The CSS property to change the border of an element to Yxy 46.9474, 0.2893, 0.5614 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, 211, 63) }
```

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

```
.border{ border-color:rgb(0, 211, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 211, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 63);  
box-shadow:4px 4px 4px 4px rgb(0, 211, 63)  
}
```


Background

The CSS property to change the background color of an element to Yxy 46.9474, 0.2893, 0.5614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 211, 63) }
```

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

```
.background{ background-color: rgb(0, 211,  
63) }
```

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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