

Converting Colors

$Yxy(46.8026, 0.2948, 0.5794)$

Have a look what the booklet for
Yxy(46.8026, 0.2948, 0.5794)
contains.

Yxy(46.8026, 0.2948, 0.5794)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.8026, 0.2948, 0.5794)

Conversions

Conversions Part 1

Format	Color
Hex	05D32C
RGB	5, 211, 44
RGB Percent	2%, 83%, 17%
CMY	0.9796, 0.1725, 0.8274
CMYK	0.98, 0.00, 0.79, 0.17
HSL	131°, 95%, 42%
HSV	131°, 98%, 83%
XYZ	23.8133, 46.8026, 10.1618
YIQ	130.3680, -69.1690, -95.6090

Conversions

Conversions Part 2

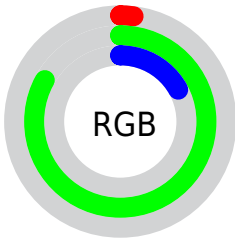
Format	Color
RYB	5, 178, 211
Decimal	381740
CIELab	74.06, -73.00, 64.56
CIELCh	74, 97.451, 138.509
Yxy	46.8026, 0.2948, 0.5794
Android (android.graphics.Color)	4278571820 (0xFF05D32C)
YUV	130.3680, -42.5794, -109.9477
Hunter-Lab	68.4124, -57.5888, 39.0819

Details

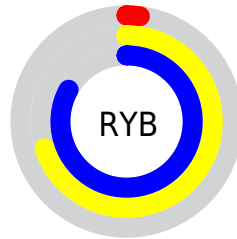
The Yxy color **46.8026, 0.2948, 0.5794** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **16.9474, 0.3741, 0.1844**, and the grayscale version is **22.6552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6251, 0.3053, 0.5216**, and **23.4427, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **46.7409, 0.2953, 0.5830**, and if you desaturate by 10%, it is **47.1509, 0.2927, 0.5616**.

Distribution



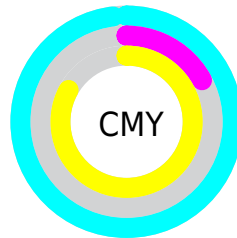
- Red (2%)
- Green (83%)
- Blue (17%)



- Red (2%)
- Yellow (70%)
- Blue (83%)



- Cyan (98%)
- Magenta (0%)
- Yellow (79%)
- Black (17%)





- Cyan (98%)
- Magenta (17%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8026, 0.2948, 0.5794 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 46.8026, 0.2948, 0.5794 by changing the saturation by 10% instead.

 46.8026, 0.2948,
0.5794


 46.8026, 0.2948,
0.5794


 374.0260, 0.3144,
0.4449

 32.8796, 0.2858,
0.6134


 85.4189, 0.3049,
0.5295


 22.0343, 0.2719,
0.6560


 110.8810, 0.3078,
0.5110


 13.8821, 0.2497,
0.7096


 140.9583, 0.3098,
0.4954

 8.0387, 0.2159,
0.7841

 176.0351, 0.3113,
0.4822

 4.1197, 0.1540,
0.8460

 216.4959, 0.3125,
0.4708

 1.7408, 0.0000,
1.0000

 262.7251, 0.3133,

 0.4498, 0.0000,

0.4610

1.0000

315.1070, 0.3139,
0.4524

■ 0.0000, 0.0000,
0.0000

■ 46.8026, 0.2948,
0.5794

■ 46.8026, 0.2948,
0.5794

■ 46.7409, 0.2953,
0.5830

■ 47.1509, 0.2927,
0.5616

■ 47.7565, 0.2915,
0.5382

■ 48.6689, 0.2916,
0.5106

■ 49.9233, 0.2929,
0.4807

■ 51.5501, 0.2953,
0.4502

■ 53.5762, 0.2984,
0.4204

■ 56.0261, 0.3020,
0.3926

■ 58.9222, 0.3058,
0.3671

■ 62.2853, 0.3098,
0.3444

Harmonies

Analogous

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



46.8026, 0.4086, 0.5515



46.8026, 0.2948, 0.5794



46.8026, 0.1907, 0.4680

Triad

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



46.8026, 0.2948, 0.5794



46.8026, 0.1273, 0.1562



46.8026, 0.5364, 0.2974

Complementary

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



46.8026, 0.2948, 0.5794



16.9474, 0.3741, 0.1844

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.



46.8026, 0.4189, 0.2278



46.8026, 0.2948, 0.5794



46.8026, 0.1808, 0.1512

Square

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



46.8026, 0.2948, 0.5794



46.8026, 0.1099, 0.1996



46.8026, 0.2804, 0.1759



46.8026, 0.5648, 0.3745

Rectangle

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



46.8026, 0.2948, 0.5794



46.8026, 0.1429, 0.3540



46.8026, 0.2804, 0.1759



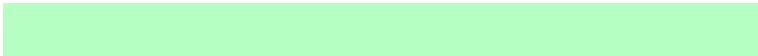
46.8026, 0.5049, 0.2731

Sweetspot

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



46.8045, 0.2948, 0.5794



85.2898, 0.3013, 0.3973



55.5155, 0.3874, 0.5294



17.9019, 0.2997, 0.4093



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.



46.8045, 0.2948, 0.5794



71.7342, 0.2956, 0.5843



48.6926, 0.2542, 0.4338



13.2422, 0.3090, 0.3484



28.2191, 0.2947, 0.5809



1.5889, 0.2855, 0.5477

Inverse Universe

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



16.9474, 0.3741, 0.1844



25.7604, 0.3765, 0.1848



14.4086, 0.5652, 0.2905



11.9692, 0.3166, 0.3103



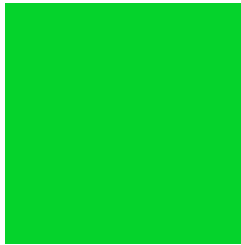
10.1513, 0.3748, 0.1838



0.5777, 0.3632, 0.1774

Previews

White Background



This preview shows how the Yxy color 46.8026, 0.2948, 0.5794 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 46.8026, 0.2948, 0.5794 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 46.8026, 0.2948, 0.5794

Background



This preview shows how black text looks on a background with the Yxy color 46.8026, 0.2948, 0.5794.



This preview shows how white text looks on a background with the Yxy color 46.8026, 0.2948, 0.5794.

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

46.8026, 0.2948, 0.5794

Protanopia

45.8716, 0.4334, 0.4794

Deuteranopia

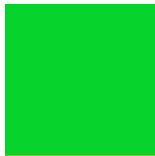
45.4812, 0.4520, 0.4422



Tritanopia

46.7607, 0.2359, 0.3075

Trichromacy



Original Color

46.8026, 0.2948, 0.5794



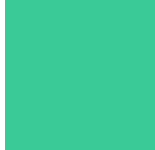
Protanomaly

42.6711, 0.3577, 0.5341



Deuteranomaly

41.4134, 0.3678, 0.5090



Tritanomaly

45.3750, 0.2578, 0.4111

Monochromacy



Original Color

46.8026, 0.2948, 0.5794



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

27.6284, 0.2958, 0.4442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8026, 0.2948, 0.5794 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(5, 211, 44)` looks like.

```
.text, #text, p{  
    color:rgb(5, 211, 44)  
}
```

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(5, 211, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 211, 44) }
```

Border

The CSS property to change the border of an element to Yxy 46.8026, 0.2948, 0.5794 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(5, 211, 44) }
```

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

```
.border{ border-color:rgb(5, 211, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 211, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 211, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 211, 44);  
box-shadow:4px 4px 4px 4px rgb(5, 211, 44)  
}
```


Background

The CSS property to change the background color of an element to Yxy 46.8026, 0.2948, 0.5794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 211, 44) }
```

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

```
.background{ background-color: rgb(5, 211,  
44) }
```

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