

Converting Colors

$Y_{xy}(48.1613, 0.2986, 0.5945)$

Have a look what the booklet for
Yxy(48.1613, 0.2986, 0.5945)
contains.

Yxy(48.1501, 0.2985, 0.5943)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.1501, 0.2985, 0.5943)

Conversions

Conversions Part 1

Format	Color
Hex	01D614
RGB	1, 214, 20
RGB Percent	0%, 84%, 8%
CMY	0.9967, 0.1608, 0.9211
CMYK	1.00, 0.00, 0.91, 0.16
HSL	125°, 99%, 42%
HSV	125°, 100%, 84%
XYZ	24.1844, 48.1501, 8.6853
YIQ	128.1970, -64.6740, -105.4900

Conversions

Conversions Part 2

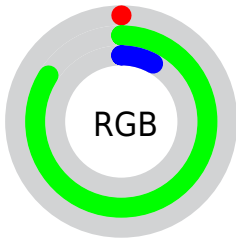
Format	Color
RYB	1, 197, 214
Decimal	120340
CIELab	74.92, -75.06, 70.66
CIELCh	75, 103.087, 136.727
Yxy	48.1501, 0.2985, 0.5943
Android (android.graphics.Color)	4278310420 (0xFF01D614)
YUV	128.1970, -53.3411, -111.5518
Hunter-Lab	69.3903, -59.2208, 41.1521

Details

The Yxy color **48.1501, 0.2985, 0.5943** 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 **18.2429, 0.3452, 0.1676**, and the grayscale version is **21.8512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4463, 0.3102, 0.5345**, and **24.1139, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.1441, 0.2985, 0.5946**, and if you desaturate by 10%, it is **48.4194, 0.2976, 0.5820**.

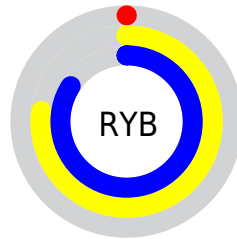
Distribution



Red (0%)

Green (84%)

Blue (8%)



Red (0%)

Yellow (77%)

Blue (84%)

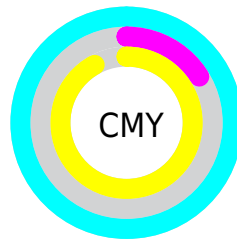


Cyan (100%)

Magenta (0%)

Yellow (91%)

Black (16%)



Cyan (100%)


Magenta (16%)


Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1501, 0.2985, 0.5943 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 48.1501, 0.2985, 0.5943 by changing the saturation by 10% instead.


 48.1501, 0.2985,
0.5943


 48.1501, 0.2985,
0.5943


 379.3868, 0.3181,
0.4534


 33.9458, 0.2889,
0.6288


 87.4278, 0.3091,
0.5428


 22.8519, 0.2739,
0.6711


 113.2701, 0.3120,
0.5234


 14.4842, 0.2511,
0.7252


 143.7603, 0.3140,
0.5070

 8.4582, 0.2131,
0.7869

 179.2831, 0.3155,
0.4931

 4.3895, 0.1525,
0.8475

 220.2227, 0.3165,
0.4810

 1.8938, 0.0000,
1.0000

 266.9636, 0.3172,

 0.5446, 0.0000,

0.4706

1.0000

319.8902, 0.3178,
0.4615

■ 0.0000, 0.0000,
0.0000

■ 48.1501, 0.2985,
0.5943

■ 48.1501, 0.2985,
0.5943

■ 48.1441, 0.2985,
0.5946

■ 48.4194, 0.2976,
0.5820

■ 48.9394, 0.2972,
0.5623

■ 49.7781, 0.2975,
0.5361

■ 50.9761, 0.2986,
0.5052

■ 52.5681, 0.3004,
0.4720

■ 54.5846, 0.3026,
0.4387

■ 57.0529, 0.3051,
0.4069

■ 59.9983, 0.3077,
0.3776

■ 63.4442, 0.3103,
0.3513

Harmonies

Analogous

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



48.1501, 0.4156, 0.5538



48.1501, 0.2985, 0.5943



48.1501, 0.1902, 0.4860

Triad

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



48.1501, 0.2985, 0.5943



48.1501, 0.1196, 0.1517



48.1501, 0.5413, 0.2903

Complementary

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



48.1501, 0.2985, 0.5943



18.2429, 0.3452, 0.1676

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.



48.1501, 0.4145, 0.2201



48.1501, 0.2985, 0.5943



48.1501, 0.1715, 0.1450

Square

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



48.1501, 0.2985, 0.5943



48.1501, 0.1038, 0.1982



48.1501, 0.2710, 0.1686



48.1501, 0.5752, 0.3680

Rectangle

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



48.1501, 0.2985, 0.5943



48.1501, 0.1397, 0.3645



48.1501, 0.2710, 0.1686



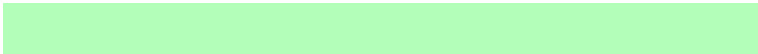
48.1501, 0.5068, 0.2657

Sweetspot

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



48.1521, 0.2985, 0.5943



84.5647, 0.3049, 0.4091



59.8657, 0.4046, 0.5167



17.7521, 0.3038, 0.4224



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.



48.1521, 0.2985, 0.5943



71.5821, 0.2987, 0.5954



49.5865, 0.2647, 0.4726



13.9140, 0.3104, 0.3509



29.1050, 0.2982, 0.5934



1.7619, 0.2930, 0.5748

Inverse Universe

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



18.2429, 0.3452, 0.1676



27.0829, 0.3456, 0.1677



15.0473, 0.5323, 0.2708



12.6124, 0.3151, 0.3081



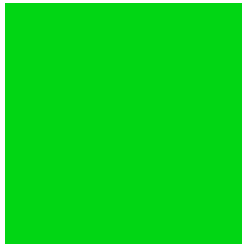
11.0211, 0.3449, 0.1674



0.6705, 0.3403, 0.1648

Previews

White Background



This preview shows how the Yxy color 48.1501, 0.2985, 0.5943 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 48.1501, 0.2985, 0.5943 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

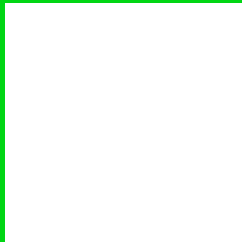
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1501, 0.2985, 0.5943

Background



This preview shows how black text looks on a background with the Yxy color 48.1501, 0.2985, 0.5943.



This preview shows how white text looks on a background with the Yxy color 48.1501, 0.2985, 0.5943.

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

48.1501, 0.2985, 0.5943

Protanopia

46.9888, 0.4406, 0.4884

Deuteranopia

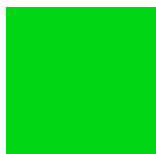
46.9404, 0.4602, 0.4486



Tritanopia

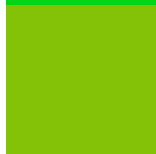
47.9268, 0.2359, 0.3064

Trichromacy



Original Color

48.1501, 0.2985, 0.5943



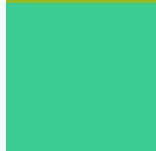
Protanomaly

43.4242, 0.3623, 0.5484



Deuteranomaly

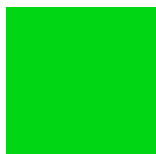
42.3160, 0.3742, 0.5212



Tritanomaly

46.0989, 0.2621, 0.4258

Monochromacy



Original Color

48.1501, 0.2985, 0.5943



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

27.3114, 0.3008, 0.4646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1501, 0.2985, 0.5943 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(1, 214, 20)` looks like.

```
.text, #text, p{  
    color:rgb(1, 214, 20)  
}
```

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(1, 214, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 214, 20) }
```

Border

The CSS property to change the border of an element to Yxy 48.1501, 0.2985, 0.5943 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(1, 214, 20) }
```

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

```
.border{ border-color:rgb(1, 214, 20) }
```

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

Here you see how a box with a 4 pixel rgb(1, 214, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 214, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 214, 20);  
box-shadow:4px 4px 4px 4px rgb(1, 214, 20)  
}
```


Background

The CSS property to change the background color of an element to Yxy 48.1501, 0.2985, 0.5943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 214, 20) }
```

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

```
.background{ background-color: rgb(1, 214,  
20) }
```

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