

Converting Colors

Yxy(51.6063, 0.3015, 0.5988)

Have a look what the booklet for
Yxy(51.6063, 0.3015, 0.5988)
contains.

Yxy(51.8415, 0.3015, 0.5988)	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(51.8415, 0.3015, 0.5988)

Conversions

Conversions Part 1

Format	Color
Hex	12DD00
RGB	18, 221, 0
RGB Percent	7%, 87%, 0%
CMY	0.9304, 0.1333, 0.9998
CMYK	0.92, 0.00, 1.00, 0.13
HSL	115°, 100%, 43%
HSV	115°, 100%, 87%
XYZ	26.1026, 51.8415, 8.6316
YIQ	135.1090, -50.0470, -111.7670

Conversions

Conversions Part 2

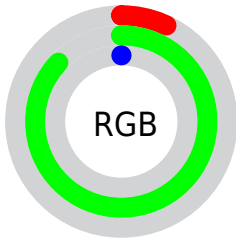
Format	Color
RYB	0, 221, 203
Decimal	1236224
CIELab	77.19, -76.66, 74.75
CIELCh	77, 107.073, 135.724
Yxy	51.8415, 0.3015, 0.5988
Android (android.graphics.Color)	4279426304 (0xFF12DD00)
YUV	135.1090, -66.6087, -102.7046
Hunter-Lab	72.0010, -61.2902, 43.2930

Details

The Yxy color **51.8415, 0.3015, 0.5988** 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 **17.9640, 0.3007, 0.1430**, and the grayscale version is **24.5123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7533, 0.3145, 0.5374**, and **26.5509, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **51.8430, 0.3015, 0.5988**, and if you desaturate by 10%, it is **52.1895, 0.3032, 0.5902**.

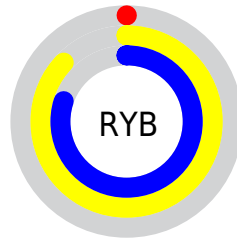
Distribution



Red (7%)

Green (87%)

Blue (0%)



Red (0%)

Yellow (87%)

Blue (80%)

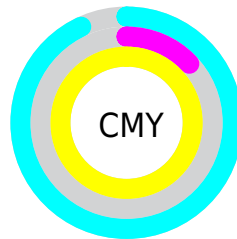


Cyan (92%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (93%)


Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8415, 0.3015, 0.5988 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 51.8415, 0.3015, 0.5988 by changing the saturation by 10% instead.


 51.8415, 0.3015,
0.5988

 51.8415, 0.3015,
0.5988


393.8244, 0.3204,
0.4579


 36.8788, 0.2921,
0.6323


 92.8974, 0.3119,
0.5480

 25.1136, 0.2774,
0.6729


 119.7594, 0.3147,
0.5286


 16.1617, 0.2553,
0.7240


 151.3566, 0.3167,
0.5122

 9.6387, 0.2189,
0.7811

 188.0734, 0.3180,
0.4981

 5.1601, 0.1620,
0.8380

 230.2942, 0.3190,
0.4860

 2.3415, 0.0000,
1.0000

 278.4033, 0.3196,

 0.7955, 0.0000,

0.4754

1.0000

332.7853, 0.3201,
0.4661

■ 0.0000, 0.0000,
0.0000

■ 51.8415, 0.3015,
0.5988

■ 51.8415, 0.3015,
0.5988

■ 51.8430, 0.3015,
0.5988

■ 52.1895, 0.3032,
0.5902

■ 52.8131, 0.3052,
0.5739

■ 53.7662, 0.3072,
0.5496

■ 55.0865, 0.3090,
0.5191

■ 56.8062, 0.3105,
0.4850

■ 58.9542, 0.3115,
0.4497

■ 61.5568, 0.3122,
0.4154

■ 64.6379, 0.3126,
0.3835

■ 68.2199, 0.3128,
0.3546

Harmonies

Analogous

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



51.8415, 0.4195, 0.5527



51.8415, 0.3015, 0.5988



51.8415, 0.1917, 0.4943

Triad

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



51.8415, 0.3015, 0.5988



51.8415, 0.1169, 0.1508



51.8415, 0.5412, 0.2869

Complementary

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



51.8415, 0.3015, 0.5988



17.9640, 0.3007, 0.1430

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.



51.8415, 0.4106, 0.2168



51.8415, 0.3015, 0.5988



51.8415, 0.1677, 0.1431

Square

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



51.8415, 0.3015, 0.5988



51.8415, 0.1020, 0.1991



51.8415, 0.2662, 0.1658



51.8415, 0.5785, 0.3647

Rectangle

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



51.8415, 0.3015, 0.5988



51.8415, 0.1398, 0.3707



51.8415, 0.2662, 0.1658



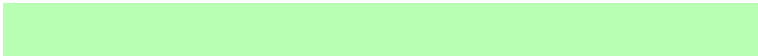
51.8415, 0.5052, 0.2624

Sweetspot

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



51.8437, 0.3015, 0.5988



85.0220, 0.3122, 0.4163



57.8950, 0.4349, 0.4929



17.8555, 0.3120, 0.4307



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.



51.8437, 0.3015, 0.5988



71.6731, 0.3013, 0.5990



52.4926, 0.2805, 0.5296



14.6558, 0.3128, 0.3531



30.1332, 0.3019, 0.5985



1.9699, 0.3074, 0.5941

Inverse Universe

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



17.9640, 0.3007, 0.1430



24.8120, 0.3005, 0.1429



16.9584, 0.4629, 0.2324



13.2191, 0.3125, 0.3059



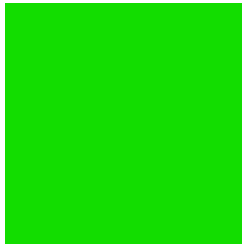
10.4568, 0.3010, 0.1432



0.6935, 0.3044, 0.1451

Previews

White Background



This preview shows how the Yxy color 51.8415, 0.3015, 0.5988 looks on a white background.

Color Contrast Check

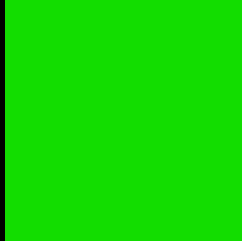
Large Text (above 18pt) WCAG AA × Fail

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 51.8415, 0.3015, 0.5988 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

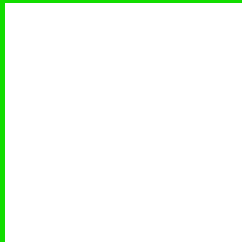
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.8415, 0.3015, 0.5988

Background



This preview shows how black text looks on a background with the Yxy color 51.8415, 0.3015, 0.5988.



This preview shows how white text looks on a background with the Yxy color 51.8415, 0.3015, 0.5988.

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

51.8415, 0.3015, 0.5988

Protanopia

50.5413, 0.4408, 0.4882

Deuteranopia

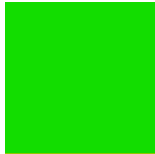
50.4581, 0.4611, 0.4511



Tritanopia

51.3163, 0.2361, 0.3057

Trichromacy



Original Color

51.8415, 0.3015, 0.5988



Protanomaly

47.5241, 0.3681, 0.5459



Deuteranomaly

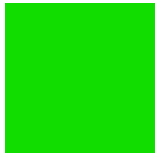
45.8506, 0.3814, 0.5229



Tritanomaly

49.6699, 0.2681, 0.4388

Monochromacy



Original Color

51.8415, 0.3015, 0.5988



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

30.2196, 0.3105, 0.4756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8415, 0.3015, 0.5988 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(18, 221, 0)` looks like.

```
.text, #text, p{  
    color:rgb(18, 221, 0)  
}
```

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(18, 221, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 221, 0) }
```

Border

The CSS property to change the border of an element to Yxy 51.8415, 0.3015, 0.5988 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(18, 221, 0) }
```

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

```
.border{ border-color:rgb(18, 221, 0) }
```

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

Here you see how a box with a 4 pixel rgb(18, 221, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 221, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 221, 0);  
box-shadow:4px 4px 4px 4px rgb(18, 221, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 51.8415, 0.3015, 0.5988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 221, 0) }
```

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

```
.background{ background-color: rgb(18, 221,  
0) }
```

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