

Converting Colors

Yxy(51.3388, 0.3206, 0.5836)

Have a look what the booklet for
Yxy(51.3388, 0.3206, 0.5836)
contains.

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Color

Yxy(51.3750, 0.3205, 0.5837)

Conversions

Conversions Part 1

Format	Color
Hex	51D900
RGB	81, 217, 0
RGB Percent	32%, 85%, 0%
CMY	0.6822, 0.1490, 0.9996
CMYK	0.63, 0.00, 1.00, 0.15
HSL	98°, 100%, 43%
HSV	98°, 100%, 85%
XYZ	28.2092, 51.3750, 8.4319
YIQ	151.5980, -11.3990, -96.3190

Conversions

Conversions Part 2

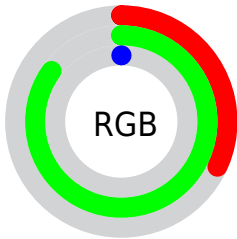
Format	Color
RYB	0, 217, 136
Decimal	5363968
CIELab	76.91, -66.94, 74.93
CIELCh	77, 100.476, 131.774
Yxy	51.3750, 0.3205, 0.5837
Android (android.graphics.Color)	4283554048 (0xFF51D900)
YUV	151.5980, -74.7378, -61.9144
Hunter-Lab	71.6764, -55.1826, 43.1986

Details

The Yxy color **51.3750, 0.3205, 0.5837** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **10.2521, 0.2283, 0.1032**, and the grayscale version is **31.5600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2869, 0.3313, 0.5267**, and **25.4897, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **51.3739, 0.3205, 0.5837**, and if you desaturate by 10%, it is **52.0968, 0.3258, 0.5726**.

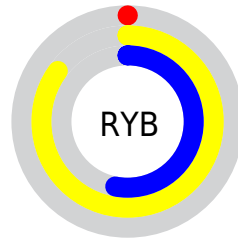
Distribution



Red (32%)

Green (85%)

Blue (0%)



Red (0%)

Yellow (85%)

Blue (53%)

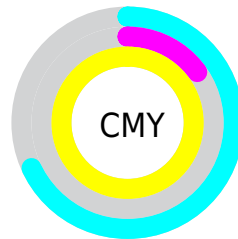


Cyan (63%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (68%)


Magenta (15%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3750, 0.3205, 0.5837 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 51.3750, 0.3205, 0.5837 by changing the saturation by 10% instead.


 51.3750, 0.3205,
0.5837


 51.3750, 0.3205,
0.5837

392.0190, 0.3294,
0.4523


 36.5071, 0.3135,
0.6145


 92.2088, 0.3273,
0.5367


 24.8261, 0.3018,
0.6515


 118.9436, 0.3288,
0.5187


 15.9476, 0.2835,
0.6983


 150.4028, 0.3296,
0.5034

 9.4870, 0.2510,
0.7490

 186.9708, 0.3299,
0.4902

 5.0602, 0.1980,
0.8020

 229.0321, 0.3300,
0.4788

 2.2826, 0.0597,
0.9403

 276.9709, 0.3299,


 0.7645, 0.0000,


0.4688

1.0000


331.1717, 0.3297,
0.4601

 0.0000, 0.0000,
0.0000


 51.3750, 0.3205,
0.5837

 51.3750, 0.3205,
0.5837


 51.3739, 0.3205,
0.5837

 52.0968, 0.3258,
0.5726

 53.0076, 0.3299,
0.5557

 54.1365, 0.3324,
0.5328

 55.5009, 0.3330,
0.5051

 57.1162, 0.3320,
0.4746

■ 58.9962, 0.3296,
0.4429

■ 61.1536, 0.3261,
0.4116

■ 63.6000, 0.3219,
0.3818

■ 66.3465, 0.3174,
0.3541

Harmonies

Analogous

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



51.3750, 0.4331, 0.5335



51.3750, 0.3205, 0.5837



51.3750, 0.2115, 0.5037

Triad

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



51.3750, 0.3205, 0.5837



51.3750, 0.1206, 0.1621



51.3750, 0.5162, 0.2810

Complementary

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



51.3750, 0.3205, 0.5837



10.2521, 0.2283, 0.1032

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.



51.3750, 0.3866, 0.2142



51.3750, 0.3205, 0.5837



51.3750, 0.1652, 0.1496

Square

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



51.3750, 0.3205, 0.5837



51.3750, 0.1106, 0.2167



51.3750, 0.2538, 0.1679



51.3750, 0.5669, 0.3565

Rectangle

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



51.3750, 0.3205, 0.5837



51.3750, 0.1566, 0.3917



51.3750, 0.2538, 0.1679



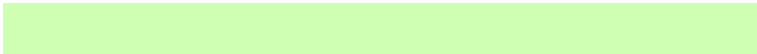
51.3750, 0.4785, 0.2573

Sweetspot

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



51.3772, 0.3205, 0.5837



88.0264, 0.3262, 0.4126



31.7631, 0.5081, 0.4347



18.5487, 0.3278, 0.4258



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.



51.3772, 0.3205, 0.5837



73.9610, 0.3199, 0.5842



49.6985, 0.2979, 0.5923



14.8417, 0.3172, 0.3528



31.1545, 0.3215, 0.5829



2.0665, 0.3344, 0.5727

Inverse Universe

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



10.2521, 0.2283, 0.1032



14.6779, 0.2275, 0.1027



18.5464, 0.3531, 0.1719



13.0195, 0.3079, 0.3055



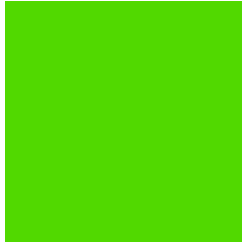
6.2646, 0.2296, 0.1038



0.4544, 0.2445, 0.1120

Previews

White Background



This preview shows how the Yxy color 51.3750, 0.3205, 0.5837 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 51.3750, 0.3205, 0.5837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

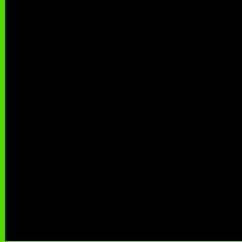
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.3750, 0.3205, 0.5837

Background



This preview shows how black text looks on a background with the Yxy color 51.3750, 0.3205, 0.5837.



This preview shows how white text looks on a background with the Yxy color 51.3750, 0.3205, 0.5837.

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

51.3750, 0.3205, 0.5837

Protanopia

50.3922, 0.4399, 0.4889

Deuteranopia

50.4420, 0.4619, 0.4521



Tritanopia

51.1546, 0.2478, 0.3074

Trichromacy



Original Color

51.3750, 0.3205, 0.5837



Protanomaly

48.7394, 0.3884, 0.5298



Deuteranomaly

47.9319, 0.4035, 0.5075



Tritanomaly

49.4930, 0.2863, 0.4321

Monochromacy



Original Color

51.3750, 0.3205, 0.5837



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

36.3494, 0.3303, 0.4568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3750, 0.3205, 0.5837 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(81, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(81, 217, 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(81, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 217, 0) }
```

Border

The CSS property to change the border of an element to Yxy 51.3750, 0.3205, 0.5837 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(81, 217, 0) }
```

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

```
.border{ border-color:rgb(81, 217, 0) }
```

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

Here you see how a box with a 4 pixel rgb(81, 217, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 217, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 217, 0);  
box-shadow:4px 4px 4px 4px rgb(81, 217, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 51.3750, 0.3205, 0.5837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 217, 0) }
```

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

```
.background{ background-color: rgb(81, 217,  
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](#).

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