

Converting Colors

$Y_{xy}(39.9511, 0.2995, 0.5980)$

Have a look what the booklet for
Yxy(39.9511, 0.2995, 0.5980)
contains.

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Color

Yxy(39.9478, 0.2994, 0.5979)

Conversions

Conversions Part 1

Format	Color
Hex	00C507
RGB	0, 197, 7
RGB Percent	0%, 77%, 3%
CMY	1.0000, 0.2274, 0.9719
CMYK	1.00, 0.00, 0.96, 0.23
HSL	122°, 100%, 39%
HSV	122°, 100%, 77%
XYZ	20.0040, 39.9478, 6.8617
YIQ	116.4370, -56.4220, -100.8540

Conversions

Conversions Part 2

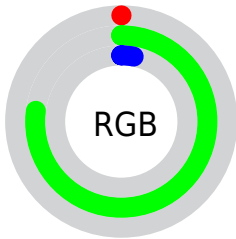
Format	Color
RYB	0, 190, 197
Decimal	50439
CIELab	69.43, -70.83, 67.71
CIELCh	69, 97.984, 136.290
Yxy	39.9478, 0.2994, 0.5979
Android (android.graphics.Color)	4278240519 (0xFF00C507)
YUV	116.4370, -53.9524, -102.1152
Hunter-Lab	63.2043, -54.1128, 37.8062

Details

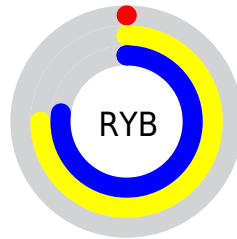
The Yxy color **39.9478, 0.2994, 0.5979** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **15.5813, 0.3303, 0.1593**, and the grayscale version is **17.7960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0128, 0.3105, 0.5432**, and **19.0498, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.9503, 0.2994, 0.5979**, and if you desaturate by 10%, it is **40.1555, 0.2994, 0.5883**.

Distribution



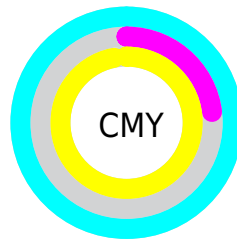
- Red (0%)
- Green (77%)
- Blue (3%)



- Red (0%)
- Yellow (75%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (96%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9478, 0.2994, 0.5979 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 39.9478, 0.2994, 0.5979 by changing the saturation by 10% instead.

 39.9478, 0.2994,
0.5979


 39.9478, 0.2994,
0.5979


345.9035, 0.3192,
0.4511


 27.4978, 0.2888,
0.6350


 75.0840, 0.3106,
0.5432


 17.9475, 0.2718,
0.6808


 98.5391, 0.3135,
0.5229

 10.9123, 0.2484,
0.7503


 126.4313, 0.3155,
0.5059

 6.0079, 0.1982,
0.8018

 159.1450, 0.3169,
0.4915

 2.8499, 0.0997,
0.9003

 197.0648, 0.3179,
0.4792

 1.0539, 0.0000,
1.0000

 240.5748, 0.3185,

 0.0000, 0.0000,

0.4685

0.0000

290.0596, 0.3189,
0.4593

■ 39.9478, 0.2994,
0.5979

■ 39.9478, 0.2994,
0.5979

■ 39.9503, 0.2994,
0.5979

■ 40.1555, 0.2994,
0.5883

■ 40.5644, 0.2997,
0.5708

■ 41.2391, 0.3004,
0.5457

■ 42.2146, 0.3017,
0.5148

■ 43.5204, 0.3033,
0.4807

■ 45.1826, 0.3052,
0.4460

■ 47.2247, 0.3072,
0.4125

■ 49.6681, 0.3091,
0.3815

■ 52.5327, 0.3110,
0.3536

Harmonies

Analogous

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



39.9478, 0.4173, 0.5541



39.9478, 0.2994, 0.5979



39.9478, 0.1901, 0.4906

Triad

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



39.9478, 0.2994, 0.5979



39.9478, 0.1177, 0.1506



39.9478, 0.5425, 0.2885

Complementary

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



39.9478, 0.2994, 0.5979



15.5813, 0.3303, 0.1593

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.



39.9478, 0.4133, 0.2182



39.9478, 0.2994, 0.5979



39.9478, 0.1693, 0.1435

Square

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



39.9478, 0.2994, 0.5979



39.9478, 0.1023, 0.1979



39.9478, 0.2686, 0.1667



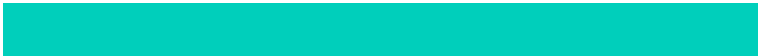
39.9478, 0.5778, 0.3664

Rectangle

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



39.9478, 0.2994, 0.5979



39.9478, 0.1389, 0.3673



39.9478, 0.2686, 0.1667



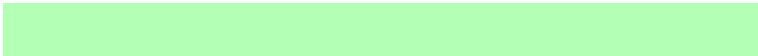
39.9478, 0.5071, 0.2639

Sweetspot

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



39.9503, 0.2994, 0.5979



84.3922, 0.3071, 0.4140



50.9382, 0.4135, 0.5099



17.7129, 0.3063, 0.4281



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.



39.9503, 0.2994, 0.5979



71.5403, 0.2996, 0.5985



40.9560, 0.2695, 0.4900



11.8940, 0.3111, 0.3520



26.2785, 0.2993, 0.5973



1.2465, 0.2966, 0.5879

Inverse Universe

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



15.5813, 0.3303, 0.1593



27.8963, 0.3304, 0.1594



12.6425, 0.5110, 0.2589



10.8097, 0.3143, 0.3070



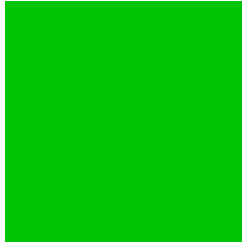
10.2508, 0.3301, 0.1592



0.4875, 0.3281, 0.1581

Previews

White Background



This preview shows how the Yxy color 39.9478, 0.2994, 0.5979 looks on a white background.

Color Contrast Check

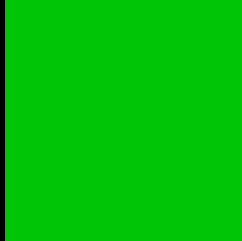
Large Text (above 18pt) WCAG AA × Fail

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 39.9478, 0.2994, 0.5979 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 39.9478, 0.2994, 0.5979

Background



This preview shows how black text looks on a background with the Yxy color 39.9478, 0.2994, 0.5979.



This preview shows how white text looks on a background with the Yxy color 39.9478, 0.2994, 0.5979.

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

39.9478, 0.2994, 0.5979

Protanopia

39.3231, 0.4402, 0.4887

Deuteranopia

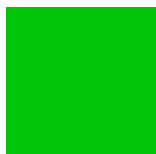
39.1649, 0.4595, 0.4513



Tritanopia

39.7832, 0.2362, 0.3061

Trichromacy



Original Color

39.9478, 0.2994, 0.5979



Protanomaly

36.3117, 0.3631, 0.5488



Deuteranomaly

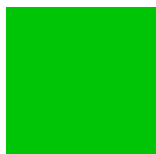
35.0492, 0.3748, 0.5252



Tritanomaly

38.3083, 0.2641, 0.4321

Monochromacy



Original Color

39.9478, 0.2994, 0.5979



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

22.2284, 0.3042, 0.4744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9478, 0.2994, 0.5979 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, 197, 7)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 7)  
}
```

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, 197, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 7) }
```

Border

The CSS property to change the border of an element to Yxy 39.9478, 0.2994, 0.5979 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, 197, 7) }
```

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

```
.border{ border-color:rgb(0, 197, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 197, 7); box-shadow:4px  
4px 4px 4px rgb(0, 197, 7) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9478, 0.2994, 0.5979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 7) }
```

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

```
.background{ background-color: rgb(0, 197,  
7) }
```

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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