

Converting Colors

$Y_{xy}(53.6000, 0.2999, 0.5911)$

Have a look what the booklet for
Yxy(53.6000, 0.2999, 0.5911)
contains.

Yxy(53.5565, 0.2999, 0.5911)	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(53.5565, 0.2999, 0.5911)

Conversions

Conversions Part 1

Format	Color
Hex	16E01A
RGB	22, 224, 26
RGB Percent	9%, 88%, 10%
CMY	0.9136, 0.1216, 0.8984
CMYK	0.90, 0.00, 0.88, 0.12
HSL	121°, 82%, 48%
HSV	121°, 90%, 88%
XYZ	27.1724, 53.5565, 9.8759
YIQ	141.0300, -56.8340, -104.4020

Conversions

Conversions Part 2

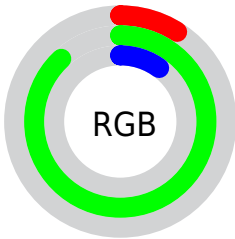
Format	Color
RYB	22, 220, 224
Decimal	1499162
CIELab	78.20, -76.66, 72.56
CIElCh	78, 105.555, 136.576
Yxy	53.5565, 0.2999, 0.5911
Android (android.graphics.Color)	4279689242 (0xFF16E01A)
YUV	141.0300, -56.7098, -104.3893
Hunter-Lab	73.1823, -61.7925, 43.2265

Details

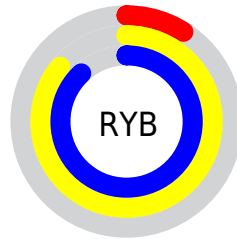
The Yxy color **53.5565, 0.2999, 0.5911** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **21.5969, 0.3252, 0.1597**, and the grayscale version is **26.8915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9730, 0.3121, 0.5286**, and **27.6374, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.3232, 0.2997, 0.5990**, and if you desaturate by 10%, it is **54.0710, 0.3003, 0.5749**.

Distribution



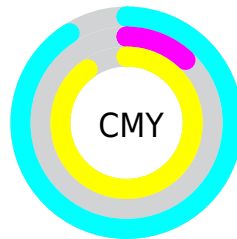
- Red (9%)
- Green (88%)
- Blue (10%)



- Red (9%)
- Yellow (86%)
- Blue (88%)



- Cyan (90%)
- Magenta (0%)
- Yellow (88%)
- Black (12%)





- Cyan (91%)
- Magenta (12%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5565, 0.2999, 0.5911 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 53.5565, 0.2999, 0.5911 by changing the saturation by 10% instead.

 53.5565, 0.2999,
0.5911


 53.5565, 0.2999,
0.5911


400.4165, 0.3184,
0.4543


 38.2472, 0.2910,
0.6239


 95.4228, 0.3098,
0.5417

 26.1746, 0.2774,
0.6640


 122.7485, 0.3126,
0.5229


 16.9543, 0.2561,
0.7129


 154.8485, 0.3145,
0.5069

 10.2019, 0.2238,
0.7762

 192.1072, 0.3159,
0.4933

 5.5330, 0.1687,
0.8313

 234.9090, 0.3169,
0.4816

 2.5633, 0.0168,
0.9832

 283.6382, 0.3176,


 0.9082, 0.0000,


0.4713


1.0000


338.6792, 0.3181,
0.4623


 0.0000, 0.0000,
0.0000


 53.5565, 0.2999,
0.5911


 53.5565, 0.2999,
0.5911


 53.3232, 0.2997,
0.5990


 54.0710, 0.3003,
0.5749


 54.9411, 0.3012,
0.5506


 56.2182, 0.3026,
0.5198


 57.9440, 0.3042,
0.4854

 60.1548, 0.3060,
0.4498

 62.8835, 0.3078,
0.4154

 66.1598, 0.3096,
0.3834

 70.0113, 0.3112,
0.3547

 74.4638, 0.3127,
0.3294

Harmonies

Analogous

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



53.5565, 0.4161, 0.5517



53.5565, 0.2999, 0.5911



53.5565, 0.1922, 0.4847

Triad

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



53.5565, 0.2999, 0.5911



53.5565, 0.1209, 0.1533



53.5565, 0.5384, 0.2906

Complementary

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



53.5565, 0.2999, 0.5911



21.5969, 0.3252, 0.1597

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.



53.5565, 0.4127, 0.2208



53.5565, 0.2999, 0.5911



53.5565, 0.1724, 0.1464

Square

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



53.5565, 0.2999, 0.5911



53.5565, 0.1053, 0.2000



53.5565, 0.2709, 0.1697



53.5565, 0.5729, 0.3681

Rectangle

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



53.5565, 0.2999, 0.5911



53.5565, 0.1417, 0.3652



53.5565, 0.2709, 0.1697



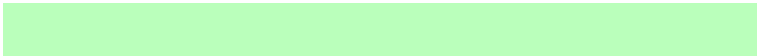
53.5565, 0.5040, 0.2662

Sweetspot

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



53.5587, 0.2999, 0.5911



85.5860, 0.3083, 0.4056



68.6872, 0.4148, 0.5042



18.0161, 0.3077, 0.4169



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.



53.5587, 0.2999, 0.5911



71.5307, 0.2998, 0.5992



55.0008, 0.2685, 0.4798



15.3415, 0.3113, 0.3528



31.0385, 0.2996, 0.5987



2.1529, 0.2986, 0.5949

Inverse Universe

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



21.5969, 0.3252, 0.1597



28.1688, 0.3259, 0.1569



17.7703, 0.4815, 0.2487



13.9309, 0.3141, 0.3063



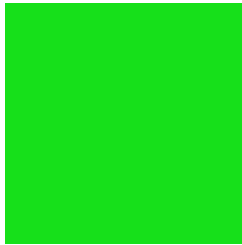
12.2249, 0.3257, 0.1568



0.8488, 0.3249, 0.1564

Previews

White Background



This preview shows how the Yxy color 53.5565, 0.2999, 0.5911 looks on a white background.

Color Contrast Check

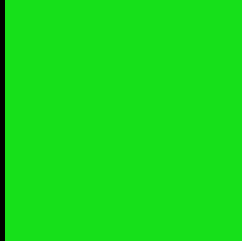
Large Text (above 18pt) WCAG AA × Fail

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 53.5565, 0.2999, 0.5911 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 53.5565, 0.2999, 0.5911

Background



This preview shows how black text looks on a background with the Yxy color 53.5565, 0.2999, 0.5911.



This preview shows how white text looks on a background with the Yxy color 53.5565, 0.2999, 0.5911.

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

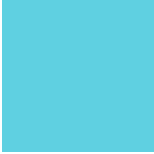
53.5565, 0.2999, 0.5911

Protanopia

52.3273, 0.4392, 0.4865

Deuteranopia

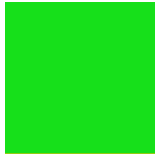
52.2475, 0.4584, 0.4491



Tritanopia

52.9809, 0.2360, 0.3060

Trichromacy



Original Color

53.5565, 0.2999, 0.5911



Protanomaly

49.2491, 0.3670, 0.5415



Deuteranomaly

47.6914, 0.3795, 0.5153



Tritanomaly

51.6220, 0.2633, 0.4224

Monochromacy



Original Color

53.5565, 0.2999, 0.5911



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

32.6233, 0.3059, 0.4567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5565, 0.2999, 0.5911 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(22, 224, 26)` looks like.

```
.text, #text, p{  
    color:rgb(22, 224, 26)  
}
```

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(22, 224, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 224, 26) }
```

Border

The CSS property to change the border of an element to Yxy 53.5565, 0.2999, 0.5911 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(22, 224, 26) }
```

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

```
.border{ border-color:rgb(22, 224, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 224, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 224, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 224, 26);  
box-shadow:4px 4px 4px 4px rgb(22, 224,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5565, 0.2999, 0.5911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 224, 26) }
```

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

```
.background{ background-color: rgb(22, 224,  
26) }
```

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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