

Converting Colors

Yxy(51.3344, 0.2983, 0.5934)

Have a look what the booklet for
Yxy(51.3344, 0.2983, 0.5934)
contains.

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Color

Yxy(51.2547, 0.2983, 0.5935)

Conversions

Conversions Part 1

Format	Color
Hex	01DC17
RGB	1, 220, 23
RGB Percent	0%, 86%, 9%
CMY	0.9956, 0.1372, 0.9099
CMYK	0.99, 0.00, 0.90, 0.14
HSL	126°, 99%, 43%
HSV	126°, 99%, 86%
XYZ	25.7612, 51.2547, 9.3442
YIQ	132.0610, -67.2870, -107.6950

Conversions

Conversions Part 2

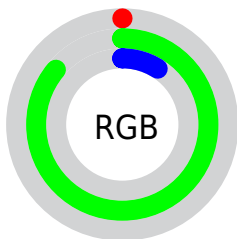
Format	Color
RYB	1, 200, 220
Decimal	121879
CIELab	76.83, -76.56, 71.84
CIELCh	77, 104.990, 136.824
Yxy	51.2547, 0.2983, 0.5935
Android (android.graphics.Color)	4278311959 (0xFF01DC17)
YUV	132.0610, -53.7671, -114.9405
Hunter-Lab	71.5924, -61.0567, 42.3762

Details

The Yxy color **51.2547, 0.2983, 0.5935** 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 **19.3243, 0.3479, 0.1692**, and the grayscale version is **23.3274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6077, 0.3104, 0.5320**, and **26.1944, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **51.2456, 0.2983, 0.5940**, and if you desaturate by 10%, it is **51.5442, 0.2973, 0.5808**.

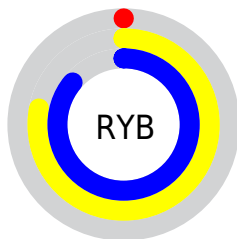
Distribution



Red (0%)

Green (86%)

Blue (9%)



Red (0%)

Yellow (78%)

Blue (86%)

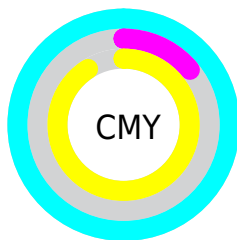


Cyan (99%)

Magenta (0%)

Yellow (90%)

Black (14%)



Cyan (100%)


Magenta (14%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2547, 0.2983, 0.5935 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 51.2547, 0.2983, 0.5935 by changing the saturation by 10% instead.


 51.2547, 0.2983,
0.5935

 51.2547, 0.2983,
0.5935


391.5525, 0.3179,
0.4544


 36.4113, 0.2890,
0.6272


 92.0312, 0.3087,
0.5430


 24.7521, 0.2746,
0.6684


 118.7330, 0.3116,
0.5238


 15.8924, 0.2524,
0.7194


 150.1566, 0.3137,
0.5076

 9.4481, 0.2175,
0.7825

 186.6861, 0.3151,
0.4938

 5.0346, 0.1601,
0.8399

 228.7061, 0.3162,
0.4819

 2.2676, 0.0000,
1.0000

 276.6009, 0.3169,

 0.7565, 0.0000,

0.4715

1.0000

330.7549, 0.3175,
0.4624

■ 0.0000, 0.0000,
0.0000

■ 51.2547, 0.2983,
0.5935

■ 51.2547, 0.2983,
0.5935

■ 51.2456, 0.2983,
0.5940

■ 51.5442, 0.2973,
0.5808

■ 52.1027, 0.2967,
0.5608

■ 53.0006, 0.2969,
0.5343

■ 54.2809, 0.2980,
0.5034

■ 55.9804, 0.2998,
0.4704

■ 58.1314, 0.3021,
0.4374

■ 60.7631, 0.3047,
0.4059

■ 63.9024, 0.3075,
0.3769

■ 67.5738, 0.3102,
0.3508

Harmonies

Analogous

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



51.2547, 0.4152, 0.5537



51.2547, 0.2983, 0.5935



51.2547, 0.1902, 0.4850

Triad

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



51.2547, 0.2983, 0.5935



51.2547, 0.1200, 0.1519



51.2547, 0.5411, 0.2907

Complementary

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



51.2547, 0.2983, 0.5935



19.3243, 0.3479, 0.1692

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.



51.2547, 0.4148, 0.2205



51.2547, 0.2983, 0.5935



51.2547, 0.1721, 0.1453

Square

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



51.2547, 0.2983, 0.5935



51.2547, 0.1041, 0.1983



51.2547, 0.2715, 0.1690



51.2547, 0.5746, 0.3684

Rectangle

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



51.2547, 0.2983, 0.5935



51.2547, 0.1399, 0.3639



51.2547, 0.2715, 0.1690



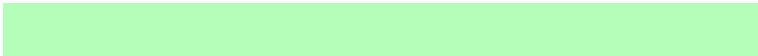
51.2547, 0.5067, 0.2662

Sweetspot

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



51.2568, 0.2983, 0.5935



84.5953, 0.3045, 0.4082



63.7137, 0.4046, 0.5167



17.7590, 0.3034, 0.4214



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.



51.2568, 0.2983, 0.5935



71.5922, 0.2985, 0.5946



52.7748, 0.2647, 0.4726



14.6273, 0.3102, 0.3507



30.0822, 0.2980, 0.5926



1.9562, 0.2926, 0.5735

Inverse Universe

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



19.3243, 0.3479, 0.1692



26.9470, 0.3483, 0.1693



16.0188, 0.5323, 0.2709



13.2513, 0.3153, 0.3082



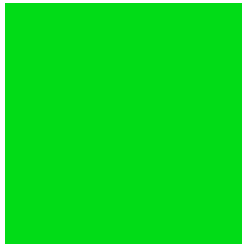
11.3330, 0.3476, 0.1689



0.7408, 0.3427, 0.1662

Previews

White Background



This preview shows how the Yxy color 51.2547, 0.2983, 0.5935 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 51.2547, 0.2983, 0.5935 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

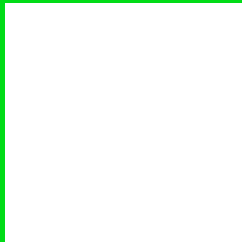
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.2547, 0.2983, 0.5935

Background



This preview shows how black text looks on a background with the Yxy color 51.2547, 0.2983, 0.5935.



This preview shows how white text looks on a background with the Yxy color 51.2547, 0.2983, 0.5935.

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

51.2547, 0.2983, 0.5935

Protanopia

49.9766, 0.4403, 0.4872

Deuteranopia

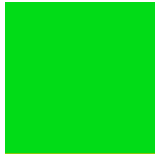
49.9216, 0.4596, 0.4488



Tritanopia

51.1584, 0.2358, 0.3070

Trichromacy



Original Color

51.2547, 0.2983, 0.5935



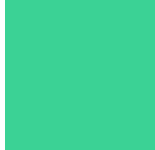
Protanomaly

46.4860, 0.3617, 0.5475



Deuteranomaly

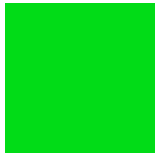
44.8793, 0.3740, 0.5208



Tritanomaly

49.1929, 0.2614, 0.4248

Monochromacy



Original Color

51.2547, 0.2983, 0.5935



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

29.2084, 0.3002, 0.4648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2547, 0.2983, 0.5935 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, 220, 23)` looks like.

```
.text, #text, p{  
    color:rgb(1, 220, 23)  
}
```

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, 220, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 220, 23) }
```

Border

The CSS property to change the border of an element to Yxy 51.2547, 0.2983, 0.5935 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, 220, 23) }
```

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

```
.border{ border-color:rgb(1, 220, 23) }
```

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

Here you see how a box with a 4 pixel rgb(1, 220, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 220, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 220, 23);  
box-shadow:4px 4px 4px 4px rgb(1, 220, 23)  
}
```


Background

The CSS property to change the background color of an element to Yxy 51.2547, 0.2983, 0.5935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 220, 23) }
```

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

```
.background{ background-color: rgb(1, 220,  
23) }
```

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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