

Converting Colors

$Y_{xy}(51.5529, 0.2813, 0.5326)$

Have a look what the booklet for
Yxy(51.5529, 0.2813, 0.5326)
contains.

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Color

Yxy(51.3843, 0.2813, 0.5327)

Conversions

Conversions Part 1

Format	Color
Hex	00DB59
RGB	0, 219, 89
RGB Percent	0%, 86%, 35%
CMY	1.0000, 0.1412, 0.6509
CMYK	1.00, 0.00, 0.59, 0.14
HSL	144°, 100%, 43%
HSV	144°, 100%, 86%
XYZ	27.1342, 51.3843, 17.9416
YIQ	138.6990, -88.7940, -86.8580

Conversions

Conversions Part 2

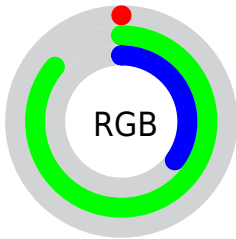
Format	Color
RYB	0, 156, 219
Decimal	56153
CIELab	76.91, -71.25, 50.54
CIELCh	77, 87.359, 144.649
Yxy	51.3843, 0.2813, 0.5327
Android (android.graphics.Color)	4278246233 (0xFF00DB59)
YUV	138.6990, -24.5016, -121.6390
Hunter-Lab	71.6828, -57.8771, 35.3382

Details

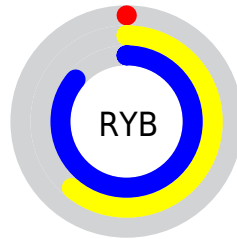
The Yxy color **51.3843, 0.2813, 0.5327** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **16.6722, 0.4585, 0.2300**, and the grayscale version is **25.8200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6290, 0.2893, 0.4738**, and **25.9620, 0.2933, 0.5758** is the 20% darker color. If you saturate the color by 10%, you get **51.3869, 0.2813, 0.5327**, and if you desaturate by 10%, it is **51.7944, 0.2780, 0.5131**.

Distribution



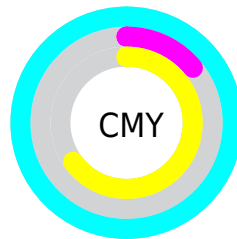
- Red (0%)
- Green (86%)
- Blue (35%)



- Red (0%)
- Yellow (61%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (14%)



- Cyan (100%)
- Magenta (14%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3843, 0.2813, 0.5327 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 51.3843, 0.2813, 0.5327 by changing the saturation by 10% instead.


 51.3843, 0.2813,
0.5327


 51.3843, 0.2813,
0.5327


392.0550, 0.3031,
0.4237


 36.5145, 0.2737,
0.5612


 92.2226, 0.2908,
0.4919


 24.8318, 0.2628,
0.5980


 118.9599, 0.2939,
0.4769

 15.9518, 0.2462,
0.6465


 150.4218, 0.2963,
0.4643

 9.4901, 0.2198,
0.7115

 186.9928, 0.2982,
0.4537

 5.0622, 0.1809,
0.8191

 229.0573, 0.2998,
0.4446

 2.2838, 0.0172,
0.9828

276.9995, 0.3011,

 0.7651, 0.0000,

0.4367

1.0000

331.2040, 0.3022,
0.4298

■ 0.0000, 0.0000,
0.0000

■ 51.3843, 0.2813,
0.5327

■ 51.3843, 0.2813,
0.5327

■ 51.3869, 0.2813,
0.5327

■ 51.7944, 0.2780,
0.5131

■ 52.4346, 0.2761,
0.4915

■ 53.3721, 0.2762,
0.4686

■ 54.6441, 0.2781,
0.4453

■ 56.2820, 0.2816,
0.4223

■ 58.3133, 0.2865,
0.4003

■ 60.7628, 0.2923,
0.3798

■ 63.6535, 0.2988,
0.3610

■ 67.0063, 0.3057,
0.3441

Harmonies

Analogous

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



51.3843, 0.3852, 0.5395



51.3843, 0.2813, 0.5327



51.3843, 0.1910, 0.4189

Triad

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



51.3843, 0.2813, 0.5327



51.3843, 0.1516, 0.1697



51.3843, 0.5212, 0.3187

Complementary

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



51.3843, 0.2813, 0.5327



16.6722, 0.4585, 0.2300

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.



51.3843, 0.4309, 0.2514



51.3843, 0.2813, 0.5327



51.3843, 0.2100, 0.1702

Square

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



51.3843, 0.2813, 0.5327



51.3843, 0.1289, 0.2033



51.3843, 0.3087, 0.1987



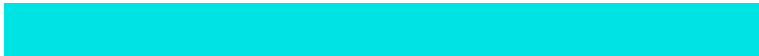
51.3843, 0.5337, 0.3931

Rectangle

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



51.3843, 0.2813, 0.5327



51.3843, 0.1520, 0.3256



51.3843, 0.3087, 0.1987



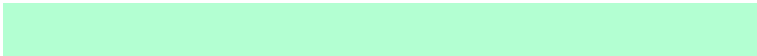
51.3843, 0.4986, 0.2954

Sweetspot

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



51.3869, 0.2813, 0.5327



85.6771, 0.2922, 0.3803



55.5229, 0.3505, 0.5599



18.0092, 0.2896, 0.3889



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.



51.3869, 0.2813, 0.5327



72.5123, 0.2817, 0.5342



54.7014, 0.2335, 0.3606



14.6935, 0.3061, 0.3432



30.4890, 0.2805, 0.5299



1.9920, 0.2714, 0.4970

Inverse Universe

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



16.6722, 0.4585, 0.2300



23.5059, 0.4600, 0.2308



15.1183, 0.6300, 0.3244



13.1806, 0.3200, 0.3152



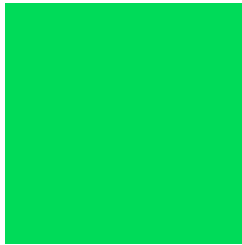
9.9076, 0.4559, 0.2285



0.6588, 0.4280, 0.2131

Previews

White Background



This preview shows how the Yxy color 51.3843, 0.2813, 0.5327 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 51.3843, 0.2813, 0.5327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

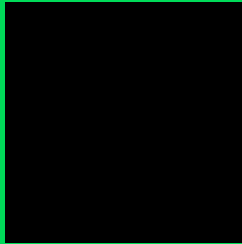
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.3843, 0.2813, 0.5327

Background



This preview shows how black text looks on a background with the Yxy color 51.3843, 0.2813, 0.5327.

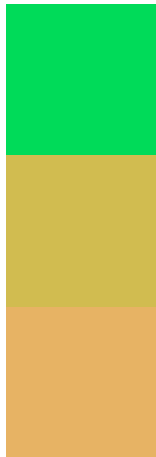


This preview shows how white text looks on a background with the Yxy color 51.3843, 0.2813, 0.5327.

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

51.3843, 0.2813, 0.5327

Protanopia

50.1009, 0.4131, 0.4527

Deuteranopia

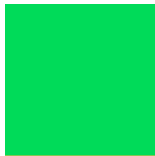
50.1492, 0.4262, 0.4160



Tritanopia

50.9628, 0.2335, 0.3055

Trichromacy



Original Color

51.3843, 0.2813, 0.5327



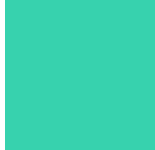
Protanomaly

46.4579, 0.3382, 0.4964



Deuteranomaly

45.6311, 0.3441, 0.4696



Tritanomaly

49.9614, 0.2478, 0.3837

Monochromacy



Original Color

51.3843, 0.2813, 0.5327



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

31.4604, 0.2827, 0.4141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3843, 0.2813, 0.5327 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, 219, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 89)  
}
```

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, 219, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 89) }
```

Border

The CSS property to change the border of an element to Yxy 51.3843, 0.2813, 0.5327 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, 219, 89) }
```

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

```
.border{ border-color:rgb(0, 219, 89) }
```

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

Here you see how a box with a 4 pixel rgb(0, 219, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 219, 89)  
}
```


Background

The CSS property to change the background color of an element to Yxy 51.3843, 0.2813, 0.5327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 89) }
```

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

```
.background{ background-color: rgb(0, 219,  
89) }
```

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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