

Converting Colors

$Y_{xy}(51.5078, 0.2818, 0.5346)$

Have a look what the booklet for
Yxy(51.5078, 0.2818, 0.5346)
contains.

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Color

Yxy(51.3676, 0.2817, 0.5341)

Conversions

Conversions Part 1

Format	Color
Hex	00DB58
RGB	0, 219, 88
RGB Percent	0%, 86%, 35%
CMY	0.9998, 0.1412, 0.6550
CMYK	1.00, 0.00, 0.60, 0.14
HSL	144°, 100%, 43%
HSV	144°, 100%, 86%
XYZ	27.0928, 51.3676, 17.7156
YIQ	138.5850, -88.4730, -87.1690

Conversions

Conversions Part 2

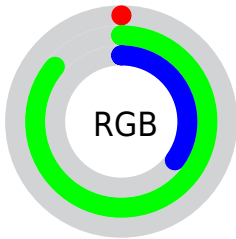
Format	Color
RYB	0, 156, 219
Decimal	56152
CIELab	76.90, -71.38, 50.99
CIELCh	77, 87.718, 144.459
Yxy	51.3676, 0.2817, 0.5341
Android (android.graphics.Color)	4278246232 (0xFF00DB58)
YUV	138.5850, -24.9384, -121.5390
Hunter-Lab	71.6712, -57.9489, 35.5146

Details

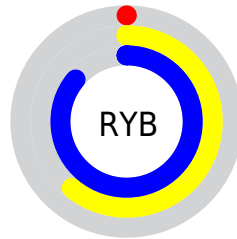
The Yxy color **51.3676, 0.2817, 0.5341** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **16.7024, 0.4565, 0.2288**, and the grayscale version is **25.7803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5988, 0.2897, 0.4751**, and **25.9505, 0.2939, 0.5780** is the 20% darker color. If you saturate the color by 10%, you get **51.3688, 0.2817, 0.5341**, and if you desaturate by 10%, it is **51.7764, 0.2784, 0.5144**.

Distribution



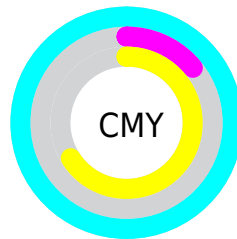
- Red (0%)
- Green (86%)
- Blue (35%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (14%)




- Cyan (100%)
- Magenta (14%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3676, 0.2817, 0.5341 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 51.3676, 0.2817, 0.5341 by changing the saturation by 10% instead.


 51.3676, 0.2817,
0.5341

 51.3676, 0.2817,
0.5341

391.9903, 0.3034,
0.4244

 36.5012, 0.2741,
0.5628


 92.1979, 0.2912,
0.4930


 24.8216, 0.2632,
0.5998


 118.9307, 0.2943,
0.4779


 15.9442, 0.2465,
0.6485

 150.3877, 0.2967,
0.4653

 9.4847, 0.2199,
0.7136

 186.9533, 0.2986,
0.4546

 5.0586, 0.1803,
0.8197

 229.0120, 0.3001,
0.4454

 2.2817, 0.0155,
0.9845


276.9481, 0.3014,

 0.7640, 0.0000,

0.4374


1.0000

331.1461, 0.3025,
0.4305


 0.0000, 0.0000,
0.0000


 51.3676, 0.2817,
0.5341

 51.3676, 0.2817,
0.5341


 51.3688, 0.2817,
0.5341

 51.7764, 0.2784,
0.5144

 52.4166, 0.2765,
0.4928

 53.3549, 0.2765,
0.4697

 54.6283, 0.2784,
0.4462

 56.2683, 0.2819,
0.4230

■ 58.3025, 0.2867,
0.4009

■ 60.7558, 0.2925,
0.3802

■ 63.6510, 0.2990,
0.3613

■ 67.0091, 0.3058,
0.3442

Harmonies

Analogous

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



51.3676, 0.3859, 0.5400



51.3676, 0.2817, 0.5341



51.3676, 0.1910, 0.4203

Triad

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



51.3676, 0.2817, 0.5341



51.3676, 0.1509, 0.1693



51.3676, 0.5217, 0.3181

Complementary

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



51.3676, 0.2817, 0.5341



16.7024, 0.4565, 0.2288

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.



51.3676, 0.4306, 0.2507



51.3676, 0.2817, 0.5341



51.3676, 0.2091, 0.1696

Square

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



51.3676, 0.2817, 0.5341



51.3676, 0.1284, 0.2032



51.3676, 0.3079, 0.1980



51.3676, 0.5346, 0.3926

Rectangle

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



51.3676, 0.2817, 0.5341



51.3676, 0.1517, 0.3264



51.3676, 0.3079, 0.1980



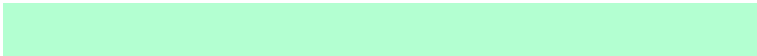
51.3676, 0.4989, 0.2947

Sweetspot

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



51.3697, 0.2817, 0.5341



85.6588, 0.2924, 0.3808



55.5243, 0.3505, 0.5599



18.0049, 0.2898, 0.3894



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

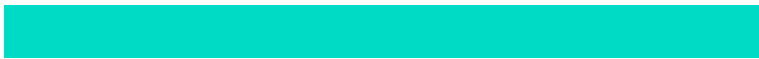
The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.3697, 0.2817, 0.5341



72.4875, 0.2821, 0.5357



54.7016, 0.2335, 0.3606



14.6925, 0.3062, 0.3433



30.4784, 0.2809, 0.5313



1.9913, 0.2718, 0.4984

Inverse Universe

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



16.7024, 0.4565, 0.2288



23.5463, 0.4580, 0.2297



15.1195, 0.6299, 0.3244



13.1817, 0.3199, 0.3151



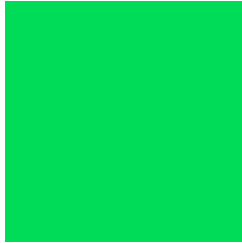
9.9245, 0.4539, 0.2274



0.6598, 0.4264, 0.2123

Previews

White Background



This preview shows how the Yxy color 51.3676, 0.2817, 0.5341 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 51.3676, 0.2817, 0.5341 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 51.3676, 0.2817, 0.5341

Background



This preview shows how black text looks on a background with the Yxy color 51.3676, 0.2817, 0.5341.



This preview shows how white text looks on a background with the Yxy color 51.3676, 0.2817, 0.5341.

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

51.3676, 0.2817, 0.5341

Protanopia

50.0863, 0.4137, 0.4535

Deuteranopia

50.1300, 0.4269, 0.4169



Tritanopia

50.9628, 0.2335, 0.3055

Trichromacy



Original Color

51.3676, 0.2817, 0.5341



Protanomaly

46.4426, 0.3387, 0.4976



Deuteranomaly

45.6128, 0.3447, 0.4708



Tritanomaly

49.9225, 0.2483, 0.3853

Monochromacy



Original Color

51.3676, 0.2817, 0.5341



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

31.4360, 0.2834, 0.4160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3676, 0.2817, 0.5341 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, 88)` looks like.

```
.text, #text, p{  
  color:rgb(0, 219, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 88) }
```

Border

The CSS property to change the border of an element to Yxy 51.3676, 0.2817, 0.5341 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, 88) }
```

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

```
.border{ border-color:rgb(0, 219, 88) }
```

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, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 88);  
box-shadow:4px 4px 4px 4px rgb(0, 219, 88)  
}
```


Background

The CSS property to change the background color of an element to Yxy 51.3676, 0.2817, 0.5341 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, 88) }
```

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

```
.background{ background-color: rgb(0, 219,  
88) }
```

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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