

Converting Colors

$Y_{xy}(49.3552, 0.2555, 0.5441)$

Have a look what the booklet for
Yxy(49.3552, 0.2555, 0.5441)
contains.

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Color

Yxy(51.4184, 0.2805, 0.5299)

Conversions

Conversions Part 1

Format	Color
Hex	00DB5B
RGB	0, 219, 91
RGB Percent	0%, 86%, 36%
CMY	1.0000, 0.1411, 0.6430
CMYK	1.00, 0.00, 0.58, 0.14
HSL	145°, 100%, 43%
HSV	145°, 100%, 86%
XYZ	27.2181, 51.4184, 18.3977
YIQ	138.9270, -89.4360, -86.2360

Conversions

Conversions Part 2

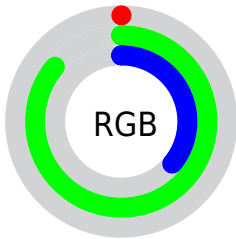
Format	Color
RYB	0, 155, 219
Decimal	56155
CIELab	76.93, -71.00, 49.66
CIELCh	77, 86.644, 145.031
Yxy	51.4184, 0.2805, 0.5299
Android (android.graphics.Color)	4278246235 (0xFF00DB5B)
YUV	138.9270, -23.6280, -121.8390
Hunter-Lab	71.7066, -57.7324, 34.9827

Details

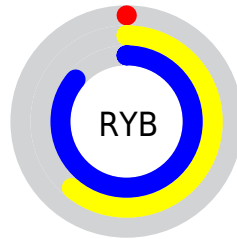
The Yxy color **51.4184, 0.2805, 0.5299** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **16.6186, 0.4624, 0.2321**, and the grayscale version is **25.9112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6901, 0.2884, 0.4712**, and **25.9742, 0.2926, 0.5735** is the 20% darker color. If you saturate the color by 10%, you get **51.4227, 0.2805, 0.5299**, and if you desaturate by 10%, it is **51.8323, 0.2772, 0.5104**.

Distribution



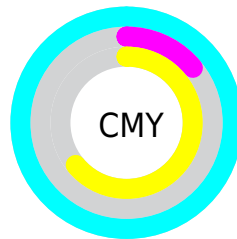
- Red (0%)
- Green (86%)
- Blue (36%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (14%)




- Cyan (100%)
- Magenta (14%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4184, 0.2805, 0.5299 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 51.4184, 0.2805, 0.5299 by changing the saturation by 10% instead.

 51.4184, 0.2805,
0.5299


 51.4184, 0.2805,
0.5299


392.1872, 0.3025,
0.4224


 36.5417, 0.2730,
0.5581


 92.2729, 0.2900,
0.4896

 24.8528, 0.2621,
0.5945


 119.0196, 0.2931,
0.4748


 15.9675, 0.2458,
0.6426

 150.4916, 0.2955,
0.4624

 9.5011, 0.2197,
0.7073

 187.0735, 0.2975,
0.4520

 5.0695, 0.1820,
0.8180

 229.1496, 0.2991,
0.4430

 2.2881, 0.0207,
0.9793

277.1043, 0.3004,

 0.7674, 0.0000,

0.4352

1.0000

331.3220, 0.3016,
0.4284

■ 0.0000, 0.0000,
0.0000

■ 51.4184, 0.2805,
0.5299

■ 51.4184, 0.2805,
0.5299

■ 51.4227, 0.2805,
0.5299

■ 51.8323, 0.2772,
0.5104

■ 52.4736, 0.2754,
0.4890

■ 53.4111, 0.2755,
0.4664

■ 54.6819, 0.2775,
0.4434

■ 56.3173, 0.2811,
0.4208

■ 58.3448, 0.2860,
0.3992

■ 60.7892, 0.2920,
0.3790

■ 63.6731, 0.2986,
0.3605

■ 67.0177, 0.3056,
0.3439

Harmonies

Analogous

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



51.4184, 0.3837, 0.5385



51.4184, 0.2805, 0.5299



51.4184, 0.1911, 0.4164

Triad

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



51.4184, 0.2805, 0.5299



51.4184, 0.1531, 0.1705



51.4184, 0.5202, 0.3200

Complementary

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



51.4184, 0.2805, 0.5299



16.6186, 0.4624, 0.2321

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.



51.4184, 0.4315, 0.2528



51.4184, 0.2805, 0.5299



51.4184, 0.2117, 0.1713

Square

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



51.4184, 0.2805, 0.5299



51.4184, 0.1301, 0.2036



51.4184, 0.3103, 0.2001



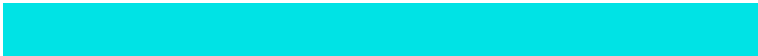
51.4184, 0.5318, 0.3941

Rectangle

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



51.4184, 0.2805, 0.5299



51.4184, 0.1525, 0.3242



51.4184, 0.3103, 0.2001



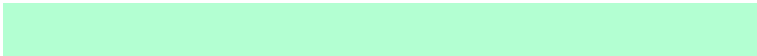
51.4184, 0.4981, 0.2966

Sweetspot

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



51.4227, 0.2805, 0.5299



85.7125, 0.2918, 0.3795



55.5242, 0.3505, 0.5599



18.0175, 0.2892, 0.3879



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.



51.4227, 0.2805, 0.5299



72.5608, 0.2809, 0.5314



54.7027, 0.2335, 0.3606



14.6956, 0.3060, 0.3430



30.5098, 0.2797, 0.5271



1.9935, 0.2707, 0.4944

Inverse Universe

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



16.6186, 0.4624, 0.2321



23.4296, 0.4639, 0.2329



15.1187, 0.6300, 0.3244



13.1785, 0.3201, 0.3154



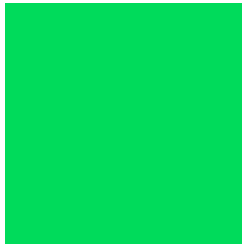
9.8756, 0.4597, 0.2306



0.6568, 0.4310, 0.2148

Previews

White Background



This preview shows how the Yxy color 51.4184, 0.2805, 0.5299 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 51.4184, 0.2805, 0.5299 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 51.4184, 0.2805, 0.5299

Background



This preview shows how black text looks on a background with the Yxy color 51.4184, 0.2805, 0.5299.



This preview shows how white text looks on a background with the Yxy color 51.4184, 0.2805, 0.5299.

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

51.4184, 0.2805, 0.5299

Protanopia

50.5597, 0.4112, 0.4519

Deuteranopia

50.0225, 0.4238, 0.4144



Tritanopia

51.4428, 0.2338, 0.3069

Trichromacy



Original Color

51.4184, 0.2805, 0.5299



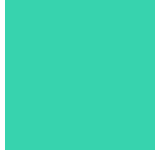
Protanomaly

46.9510, 0.3369, 0.4948



Deuteranomaly

45.5764, 0.3420, 0.4673



Tritanomaly

50.4567, 0.2481, 0.3851

Monochromacy



Original Color

51.4184, 0.2805, 0.5299



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

31.4851, 0.2820, 0.4122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4184, 0.2805, 0.5299 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 91) }
```

Border

The CSS property to change the border of an element to Yxy 51.4184, 0.2805, 0.5299 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, 91) }
```

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

```
.border{ border-color:rgb(0, 219, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 219, 91)  
}
```


Background

The CSS property to change the background color of an element to Yxy 51.4184, 0.2805, 0.5299 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, 91) }
```

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

```
.background{ background-color: rgb(0, 219,  
91) }
```

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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