

Converting Colors

$Yxy(52.9487, 0.2804, 0.5293)$

Have a look what the booklet for
Yxy(52.9487, 0.2804, 0.5293)
contains.

Yxy(53.0329, 0.2803, 0.5291)	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(53.0329, 0.2803, 0.5291)

Conversions

Conversions Part 1

Format	Color
Hex	00DE5D
RGB	0, 222, 93
RGB Percent	0%, 87%, 36%
CMY	1.0000, 0.1294, 0.6354
CMYK	1.00, 0.00, 0.58, 0.13
HSL	145°, 100%, 44%
HSV	145°, 100%, 87%
XYZ	28.0951, 53.0329, 19.1043
YIQ	140.9160, -90.9030, -87.1830

Conversions

Conversions Part 2

Format	Color
RYB	0, 156, 222
Decimal	56925
CIELab	77.89, -71.65, 49.92
CIELCh	78, 87.325, 145.133
Yxy	53.0329, 0.2803, 0.5291
Android (android.graphics.Color)	4278247005 (0xFF00DE5D)
YUV	140.9160, -23.6226, -123.5833
Hunter-Lab	72.8237, -58.5768, 35.4227

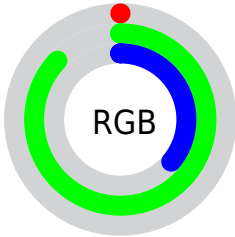
Details

The Yxy color **53.0329, 0.2803, 0.5291** is a dark color, and the websafe version is hex **00CC33**.

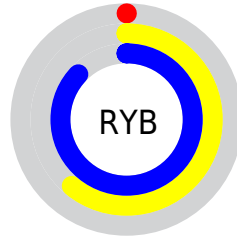
The color can be described as dark washed green. A complement of this color would be **17.1164, 0.4639, 0.2329**, and the grayscale version is **26.7225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7524, 0.2875, 0.4686**, and **27.0568, 0.2923, 0.5721** is the 20% darker color. If you saturate the color by 10%, you get **53.0356, 0.2803, 0.5291**, and if you desaturate by 10%, it is **53.4567, 0.2770, 0.5096**.

Distribution



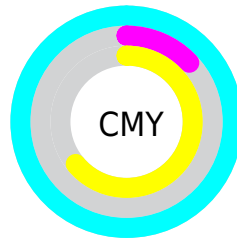
- Red (0%)
- Green (87%)
- Blue (36%)



- Red (0%)
- Yellow (61%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0329, 0.2803, 0.5291 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 53.0329, 0.2803, 0.5291 by changing the saturation by 10% instead.

 53.0329, 0.2803,
0.5291

 53.0329, 0.2803,
0.5291


398.4113, 0.3023,
0.4226


 37.8290, 0.2729,
0.5568


 94.6528, 0.2897,
0.4893


 25.8500, 0.2622,
0.5926


 121.8376, 0.2928,
0.4746


 16.7115, 0.2463,
0.6398


 153.7848, 0.2953,
0.4624

 10.0290, 0.2210,
0.7031

 190.8789, 0.2972,
0.4520

 5.4182, 0.1856,
0.8144

 233.5042, 0.2988,
0.4430

 2.4947, 0.0509,
0.9491

282.0451, 0.3002,

 0.8740, 0.0000,

0.4353

1.0000

336.8860, 0.3013,
0.4285

■ 0.0000, 0.0000,
0.0000

■ 53.0329, 0.2803,
0.5291

■ 53.0329, 0.2803,
0.5291

■ 53.0356, 0.2803,
0.5291

■ 53.4567, 0.2770,
0.5096

■ 54.1168, 0.2751,
0.4883

■ 55.0823, 0.2753,
0.4657

■ 56.3914, 0.2772,
0.4428

■ 58.0766, 0.2809,
0.4203

■ 60.1661, 0.2858,
0.3988

■ 62.6856, 0.2918,
0.3788

■ 65.6587, 0.2985,
0.3604

■ 69.1069, 0.3055,
0.3438

Harmonies

Analogous

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



53.0329, 0.3834, 0.5381



53.0329, 0.2803, 0.5291



53.0329, 0.1911, 0.4156

Triad

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



53.0329, 0.2803, 0.5291



53.0329, 0.1535, 0.1708



53.0329, 0.5199, 0.3203

Complementary

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



53.0329, 0.2803, 0.5291



17.1164, 0.4639, 0.2329

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.



53.0329, 0.4316, 0.2532



53.0329, 0.2803, 0.5291



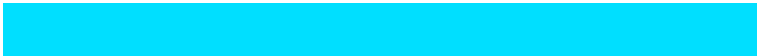
53.0329, 0.2122, 0.1716

Square

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



53.0329, 0.2803, 0.5291



53.0329, 0.1304, 0.2037



53.0329, 0.3107, 0.2005



53.0329, 0.5313, 0.3943

Rectangle

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



53.0329, 0.2803, 0.5291



53.0329, 0.1527, 0.3238



53.0329, 0.3107, 0.2005



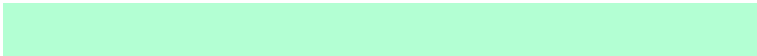
53.0329, 0.4979, 0.2970

Sweetspot

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



53.0356, 0.2803, 0.5291



85.7242, 0.2917, 0.3792



56.9524, 0.3479, 0.5620



18.0203, 0.2890, 0.3876



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.



53.0356, 0.2803, 0.5291



72.5771, 0.2807, 0.5305



56.5817, 0.2320, 0.3551



15.4320, 0.3059, 0.3429



31.5212, 0.2795, 0.5263



2.2024, 0.2710, 0.4956

Inverse Universe

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



17.1164, 0.4639, 0.2329



23.4048, 0.4652, 0.2336



15.5759, 0.6323, 0.3257



13.8335, 0.3202, 0.3155



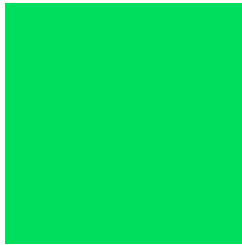
10.1889, 0.4612, 0.2314



0.7240, 0.4337, 0.2163

Previews

White Background



This preview shows how the Yxy color 53.0329, 0.2803, 0.5291 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 53.0329, 0.2803, 0.5291 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 53.0329, 0.2803, 0.5291

Background



This preview shows how black text looks on a background with the Yxy color 53.0329, 0.2803, 0.5291.

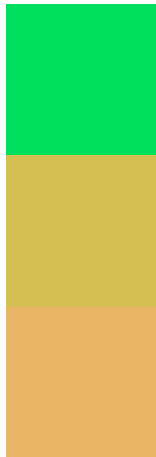


This preview shows how white text looks on a background with the Yxy color 53.0329, 0.2803, 0.5291.

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

53.0329, 0.2803, 0.5291

Protanopia

51.8832, 0.4119, 0.4514

Deuteranopia

51.7790, 0.4229, 0.4145



Tritanopia

52.6227, 0.2335, 0.3058

Trichromacy



Original Color

53.0329, 0.2803, 0.5291



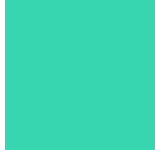
Protanomaly

48.0801, 0.3368, 0.4932



Deuteranomaly

47.1485, 0.3415, 0.4670



Tritanomaly

51.6036, 0.2476, 0.3829

Monochromacy



Original Color

53.0329, 0.2803, 0.5291



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

32.3783, 0.2823, 0.4111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0329, 0.2803, 0.5291 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, 222, 93)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 93)  
}
```

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, 222, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 93) }
```

Border

The CSS property to change the border of an element to Yxy 53.0329, 0.2803, 0.5291 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, 222, 93) }
```

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

```
.border{ border-color:rgb(0, 222, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 93);  
box-shadow:4px 4px 4px 4px rgb(0, 222, 93)  
}
```


Background

The CSS property to change the background color of an element to Yxy 53.0329, 0.2803, 0.5291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 93) }
```

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

```
.background{ background-color: rgb(0, 222,  
93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor