

Converting Colors

$Yxy(53.0088, 0.2826, 0.5372)$

Have a look what the booklet for
Yxy(53.0088, 0.2826, 0.5372)
contains.

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Color

Yxy(52.9371, 0.2826, 0.5371)

Conversions

Conversions Part 1

Format	Color
Hex	01DE57
RGB	1, 222, 87
RGB Percent	0%, 87%, 34%
CMY	0.9966, 0.1294, 0.6587
CMYK	1.00, 0.00, 0.61, 0.13
HSL	143°, 99%, 44%
HSV	143°, 100%, 87%
XYZ	27.8533, 52.9371, 17.7705
YIQ	140.5310, -88.3810, -88.8370

Conversions

Conversions Part 2

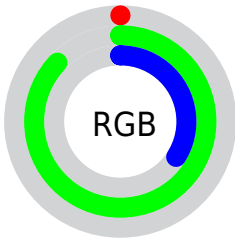
Format	Color
RYB	1, 160, 222
Decimal	122455
CIELab	77.84, -72.36, 52.49
CIELCh	78, 89.397, 144.043
Yxy	52.9371, 0.2826, 0.5371
Android (android.graphics.Color)	4278312535 (0xFF01DE57)
YUV	140.5310, -26.3908, -122.3687
Hunter-Lab	72.7579, -58.9925, 36.4494

Details

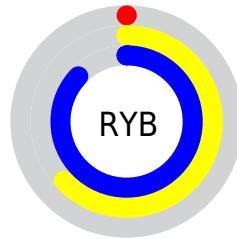
The Yxy color **52.9371, 0.2826, 0.5371** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **17.3223, 0.4510, 0.2260**, and the grayscale version is **26.5591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6312, 0.2905, 0.4762**, and **27.0092, 0.2947, 0.5809** is the 20% darker color. If you saturate the color by 10%, you get **52.9251, 0.2827, 0.5378**, and if you desaturate by 10%, it is **53.3594, 0.2793, 0.5173**.

Distribution



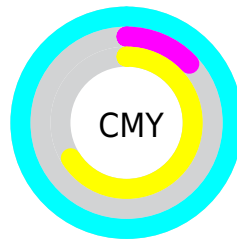
- Red (0%)
- Green (87%)
- Blue (34%)



- Red (0%)
- Yellow (63%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.9371, 0.2826, 0.5371 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 52.9371, 0.2826, 0.5371 by changing the saturation by 10% instead.

 52.9371, 0.2826,
0.5371


 52.9371, 0.2826,
0.5371


398.0438, 0.3040,
0.4263

 37.7526, 0.2751,
0.5658


 94.5118, 0.2920,
0.4958


 25.7907, 0.2642,
0.6026


 121.6708, 0.2950,
0.4805


 16.6671, 0.2477,
0.6509


 153.5900, 0.2974,
0.4678

 9.9974, 0.2214,
0.7148

 190.6538, 0.2993,
0.4569

 5.3973, 0.1825,
0.8175

 233.2468, 0.3008,
0.4476

 2.4822, 0.0426,
0.9574

281.7531, 0.3021,

 0.8677, 0.0000,

0.4396

1.0000

336.5573, 0.3031,
0.4325

■ 0.0000, 0.0000,
0.0000

■ 52.9371, 0.2826,
0.5371

■ 52.9371, 0.2826,
0.5371

■ 52.9251, 0.2827,
0.5378

■ 53.3594, 0.2793,
0.5173

■ 54.0268, 0.2774,
0.4953

■ 55.0050, 0.2775,
0.4719

■ 56.3319, 0.2793,
0.4479

■ 58.0402, 0.2828,
0.4243

■ 60.1584, 0.2875,
0.4017

■ 62.7122, 0.2932,
0.3806

■ 65.7252, 0.2995,
0.3613

■ 69.2192, 0.3062,
0.3439

Harmonies

Analogous

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



52.9371, 0.3874, 0.5410



52.9371, 0.2826, 0.5371



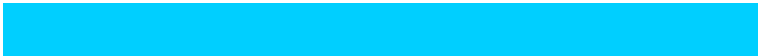
52.9371, 0.1910, 0.4231

Triad

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



52.9371, 0.2826, 0.5371



52.9371, 0.1493, 0.1684



52.9371, 0.5227, 0.3168

Complementary

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



52.9371, 0.2826, 0.5371



17.3223, 0.4510, 0.2260

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.



52.9371, 0.4300, 0.2492



52.9371, 0.2826, 0.5371



52.9371, 0.2073, 0.1684

Square

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



52.9371, 0.2826, 0.5371



52.9371, 0.1271, 0.2030



52.9371, 0.3061, 0.1966



52.9371, 0.5366, 0.3915

Rectangle

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



52.9371, 0.2826, 0.5371



52.9371, 0.1511, 0.3280



52.9371, 0.3061, 0.1966



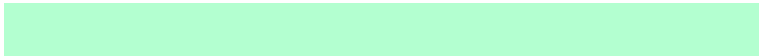
52.9371, 0.4993, 0.2933

Sweetspot

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



52.9393, 0.2826, 0.5371



85.6133, 0.2928, 0.3818



57.5853, 0.3532, 0.5575



17.9943, 0.2904, 0.3906



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.



52.9393, 0.2826, 0.5371



72.4276, 0.2831, 0.5392



56.2457, 0.2351, 0.3660



15.4252, 0.3063, 0.3437



31.4552, 0.2820, 0.5351



2.1975, 0.2733, 0.5039

Inverse Universe

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



17.3223, 0.4510, 0.2260



23.6485, 0.4529, 0.2269



15.6267, 0.6268, 0.3229



13.8404, 0.3197, 0.3148



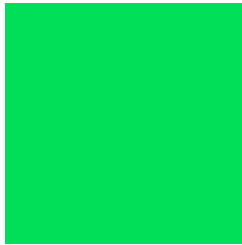
10.2942, 0.4492, 0.2248



0.7309, 0.4242, 0.2110

Previews

White Background



This preview shows how the Yxy color 52.9371, 0.2826, 0.5371 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 52.9371, 0.2826, 0.5371 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 52.9371, 0.2826, 0.5371

Background



This preview shows how black text looks on a background with the Yxy color 52.9371, 0.2826, 0.5371.



This preview shows how white text looks on a background with the Yxy color 52.9371, 0.2826, 0.5371.

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

52.9371, 0.2826, 0.5371

Protanopia

51.8087, 0.4148, 0.4557

Deuteranopia

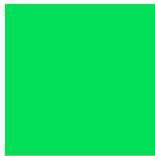
51.8492, 0.4275, 0.4189



Tritanopia

52.6227, 0.2335, 0.3058

Trichromacy



Original Color

52.9371, 0.2826, 0.5371



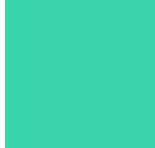
Protanomaly

47.9860, 0.3399, 0.5003



Deuteranomaly

47.1483, 0.3453, 0.4730



Tritanomaly

51.5244, 0.2485, 0.3861

Monochromacy



Original Color

52.9371, 0.2826, 0.5371



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

32.2538, 0.2837, 0.4169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9371, 0.2826, 0.5371 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, 222, 87)` looks like.

```
.text, #text, p{  
    color:rgb(1, 222, 87)  
}
```

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, 222, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 222, 87) }
```

Border

The CSS property to change the border of an element to Yxy 52.9371, 0.2826, 0.5371 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, 222, 87) }
```

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

```
.border{ border-color:rgb(1, 222, 87) }
```

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

Here you see how a box with a 4 pixel rgb(1, 222, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 222, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 222, 87);  
box-shadow:4px 4px 4px 4px rgb(1, 222, 87)  
}
```


Background

The CSS property to change the background color of an element to Yxy 52.9371, 0.2826, 0.5371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 222, 87) }
```

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

```
.background{ background-color: rgb(1, 222,  
87) }
```

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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