

Converting Colors

$Yxy(54.2498, 0.2823, 0.5363)$

Have a look what the booklet for
Yxy(54.2498, 0.2823, 0.5363)
contains.

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Color

Yxy(54.0326, 0.2821, 0.5357)

Conversions

Conversions Part 1

Format	Color
Hex	00E059
RGB	0, 224, 89
RGB Percent	0%, 88%, 35%
CMY	1.0000, 0.1215, 0.6510
CMYK	1.00, 0.00, 0.60, 0.12
HSL	144°, 100%, 44%
HSV	144°, 100%, 88%
XYZ	28.4536, 54.0326, 18.3773
YIQ	141.6340, -90.1690, -89.4730

Conversions

Conversions Part 2

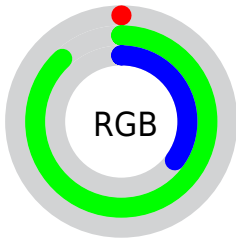
Format	Color
RYB	0, 160, 224
Decimal	57433
CIELab	78.48, -72.76, 52.37
CIELCh	78, 89.651, 144.257
Yxy	54.0326, 0.2821, 0.5357
Android (android.graphics.Color)	4278247513 (0xFF00E059)
YUV	141.6340, -25.9486, -124.2130
Hunter-Lab	73.5069, -59.5419, 36.6318

Details

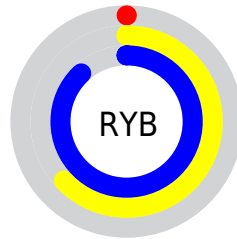
The Yxy color **54.0326, 0.2821, 0.5357** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **17.5989, 0.4549, 0.2280**, and the grayscale version is **27.0310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6913, 0.2897, 0.4737**, and **27.7529, 0.2940, 0.5783** is the 20% darker color. If you saturate the color by 10%, you get **54.0380, 0.2821, 0.5357**, and if you desaturate by 10%, it is **54.4612, 0.2788, 0.5160**.

Distribution



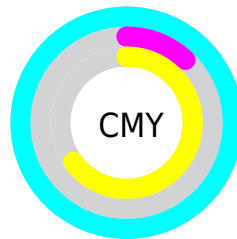
- Red (0%)
- Green (88%)
- Blue (35%)



- Red (0%)
- Yellow (63%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (12%)




- Cyan (100%)
- Magenta (12%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.0326, 0.2821, 0.5357 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 54.0326, 0.2821, 0.5357 by changing the saturation by 10% instead.


 54.0326, 0.2821,
0.5357

 54.0326, 0.2821,
0.5357

402.2343, 0.3036,
0.4260


 38.6277, 0.2747,
0.5640


 96.1221, 0.2915,
0.4949

 26.4702, 0.2639,
0.6003


 123.5755, 0.2945,
0.4798


 17.1758, 0.2477,
0.6479


 155.8139, 0.2969,
0.4671

 10.3599, 0.2221,
0.7109

 193.2217, 0.2988,
0.4564

 5.6382, 0.1850,
0.8150

 236.1832, 0.3004,
0.4472

 2.6264, 0.0602,
0.9398

285.0829, 0.3016,

 0.9399, 0.0000,

0.4392

1.0000

340.3051, 0.3027,
0.4322

■ 0.0000, 0.0000,
0.0000

■ 54.0326, 0.2821,
0.5357

■ 54.0326, 0.2821,
0.5357

■ 54.0380, 0.2821,
0.5357

■ 54.4612, 0.2788,
0.5160

■ 55.1311, 0.2769,
0.4942

■ 56.1156, 0.2769,
0.4710

■ 57.4539, 0.2787,
0.4473

■ 59.1793, 0.2822,
0.4240

■ 61.3211, 0.2869,
0.4016

■ 63.9056, 0.2927,
0.3807

■ 66.9570, 0.2991,
0.3616

■ 70.4976, 0.3058,
0.3444

Harmonies

Analogous

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



54.0326, 0.3866, 0.5406



54.0326, 0.2821, 0.5357



54.0326, 0.1909, 0.4217

Triad

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



54.0326, 0.2821, 0.5357



54.0326, 0.1501, 0.1688



54.0326, 0.5223, 0.3175

Complementary

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



54.0326, 0.2821, 0.5357



17.5989, 0.4549, 0.2280

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.



54.0326, 0.4304, 0.2500



54.0326, 0.2821, 0.5357



54.0326, 0.2082, 0.1689

Square

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



54.0326, 0.2821, 0.5357



54.0326, 0.1277, 0.2030



54.0326, 0.3070, 0.1973



54.0326, 0.5357, 0.3920

Rectangle

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



54.0326, 0.2821, 0.5357



54.0326, 0.1513, 0.3271



54.0326, 0.3070, 0.1973



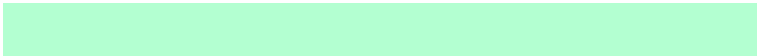
54.0326, 0.4992, 0.2940

Sweetspot

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



54.0380, 0.2821, 0.5357



85.6422, 0.2925, 0.3812



58.7322, 0.3530, 0.5579



18.0011, 0.2900, 0.3898



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.



54.0380, 0.2821, 0.5357



72.4654, 0.2825, 0.5370



57.3884, 0.2351, 0.3662



15.4270, 0.3062, 0.3435



31.4719, 0.2813, 0.5328



2.1988, 0.2727, 0.5017

Inverse Universe

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



17.5989, 0.4549, 0.2280



23.5832, 0.4561, 0.2286



15.9242, 0.6276, 0.3231



13.8386, 0.3198, 0.3150



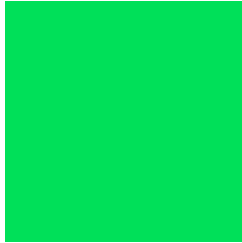
10.2660, 0.4523, 0.2265



0.7291, 0.4266, 0.2124

Previews

White Background



This preview shows how the Yxy color 54.0326, 0.2821, 0.5357 looks on a white background.

Color Contrast Check

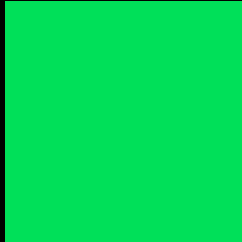
Large Text (above 18pt) WCAG AA × Fail

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 54.0326, 0.2821, 0.5357 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 54.0326, 0.2821, 0.5357

Background



This preview shows how black text looks on a background with the Yxy color 54.0326, 0.2821, 0.5357.

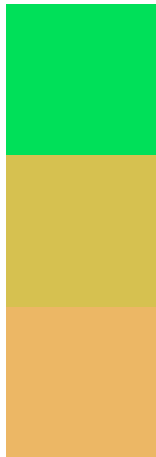


This preview shows how white text looks on a background with the Yxy color 54.0326, 0.2821, 0.5357.

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

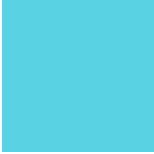
54.0326, 0.2821, 0.5357

Protanopia

53.0153, 0.4140, 0.4549

Deuteranopia

52.6394, 0.4271, 0.4173



Tritanopia

53.7631, 0.2336, 0.3060

Trichromacy



Original Color

54.0326, 0.2821, 0.5357



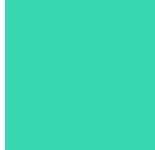
Protanomaly

49.0445, 0.3390, 0.4992



Deuteranomaly

47.7353, 0.3447, 0.4710



Tritanomaly

52.6451, 0.2485, 0.3856

Monochromacy



Original Color

54.0326, 0.2821, 0.5357



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

33.1088, 0.2832, 0.4160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.0326, 0.2821, 0.5357 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, 224, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 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, 224, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 89) }
```

Border

The CSS property to change the border of an element to Yxy 54.0326, 0.2821, 0.5357 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, 224, 89) }
```

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

```
.border{ border-color:rgb(0, 224, 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, 224, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 224, 89)  
}
```


Background

The CSS property to change the background color of an element to Yxy 54.0326, 0.2821, 0.5357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 89) }
```

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

```
.background{ background-color: rgb(0, 224,  
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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