

Converting Colors

Yxy(49.9706, 0.2869, 0.5528)

Have a look what the booklet for
Yxy(49.9706, 0.2869, 0.5528)
contains.

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Color

$\text{Yxy}(50.0936, 0.2871, 0.5535)$

Conversions

Conversions Part 1

Format	Color
Hex	00D948
RGB	0, 217, 72
RGB Percent	0%, 85%, 28%
CMY	0.9993, 0.1490, 0.7177
CMYK	1.00, 0.00, 0.67, 0.15
HSL	140°, 100%, 43%
HSV	140°, 100%, 85%
XYZ	25.9835, 50.0936, 14.4262
YIQ	135.5870, -82.7870, -91.0990

Conversions

Conversions Part 2

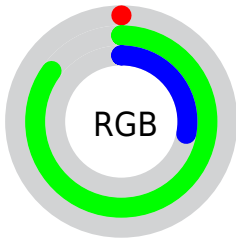
Format	Color
RYB	0, 163, 217
Decimal	55624
CIELab	76.13, -72.59, 56.88
CIELCh	76, 92.222, 141.919
Yxy	50.0936, 0.2871, 0.5535
Android (android.graphics.Color)	4278245704 (0xFF00D948)
YUV	135.5870, -31.3484, -118.9098
Hunter-Lab	70.7768, -58.3287, 37.4589

Details

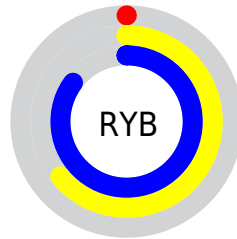
The Yxy color **50.0936, 0.2871, 0.5535** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **16.8064, 0.4278, 0.2131**, and the grayscale version is **24.6210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1781, 0.2961, 0.4940**, and **25.1482, 0.2996, 0.5986** is the 20% darker color. If you saturate the color by 10%, you get **50.0930, 0.2871, 0.5536**, and if you desaturate by 10%, it is **50.4760, 0.2839, 0.5338**.

Distribution



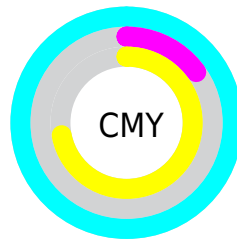
- Red (0%)
- Green (85%)
- Blue (28%)



- Red (0%)
- Yellow (64%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0936, 0.2871, 0.5535 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 50.0936, 0.2871, 0.5535 by changing the saturation by 10% instead.


 50.0936, 0.2871,
0.5535


 50.0936, 0.2871,
0.5535


387.0319, 0.3078,
0.4332


 35.4878, 0.2791,
0.5846


 90.3135, 0.2967,
0.5086


 24.0389, 0.2672,
0.6242


 116.6965, 0.2997,
0.4920

 15.3624, 0.2487,
0.6755


 147.7738, 0.3019,
0.4782

 9.0742, 0.2206,
0.7482

 183.9301, 0.3037,
0.4664

 4.7896, 0.1705,
0.8295

 225.5497, 0.3050,
0.4563

 2.1243, 0.0000,
1.0000

273.0169, 0.3061,

 0.6783, 0.0000,

0.4476

1.0000

326.7161, 0.3070,
0.4400

■ 0.0000, 0.0000,
0.0000

■ 50.0936, 0.2871,
0.5535

■ 50.0936, 0.2871,
0.5535

■ 50.0930, 0.2871,
0.5536

■ 50.4760, 0.2839,
0.5338

■ 51.0928, 0.2819,
0.5111

■ 52.0101, 0.2817,
0.4862

■ 53.2647, 0.2832,
0.4603

■ 54.8882, 0.2862,
0.4344

■ 56.9081, 0.2904,
0.4096

■ 59.3494, 0.2954,
0.3863

■ 62.2350, 0.3010,
0.3651

■ 65.5859, 0.3068,
0.3459

Harmonies

Analogous

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



50.0936, 0.3955, 0.5461



50.0936, 0.2871, 0.5535



50.0936, 0.1906, 0.4391

Triad

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



50.0936, 0.2871, 0.5535



50.0936, 0.1407, 0.1636



50.0936, 0.5284, 0.3096

Complementary

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



50.0936, 0.2871, 0.5535



16.8064, 0.4278, 0.2131

Split Complementary

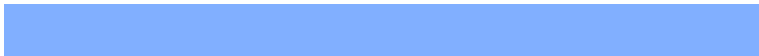
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.0936, 0.4265, 0.2412



50.0936, 0.2871, 0.5535



50.0936, 0.1972, 0.1617

Square

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



50.0936, 0.2871, 0.5535



50.0936, 0.1204, 0.2014



50.0936, 0.2967, 0.1887



50.0936, 0.5474, 0.3854

Rectangle

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



50.0936, 0.2871, 0.5535



50.0936, 0.1478, 0.3369



50.0936, 0.2967, 0.1887



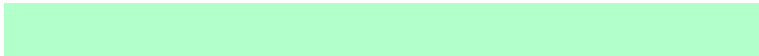
50.0936, 0.5021, 0.2858

Sweetspot

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



50.0957, 0.2871, 0.5535



85.3959, 0.2952, 0.3871



55.9550, 0.3640, 0.5491



17.9435, 0.2930, 0.3968



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.



50.0957, 0.2871, 0.5535



72.1671, 0.2876, 0.5552



52.8124, 0.2414, 0.3890



14.6770, 0.3071, 0.3450



30.3404, 0.2864, 0.5510



1.9812, 0.2771, 0.5176

Inverse Universe

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



16.8064, 0.4278, 0.2131



24.1833, 0.4291, 0.2137



14.9086, 0.6136, 0.3155



13.1977, 0.3188, 0.3135



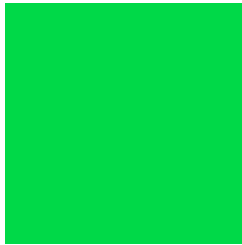
10.1903, 0.4259, 0.2120



0.6759, 0.4045, 0.2002

Previews

White Background



This preview shows how the Yxy color 50.0936, 0.2871, 0.5535 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 50.0936, 0.2871, 0.5535 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 50.0936, 0.2871, 0.5535

Background



This preview shows how black text looks on a background with the Yxy color 50.0936, 0.2871, 0.5535.



This preview shows how white text looks on a background with the Yxy color 50.0936, 0.2871, 0.5535.

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

50.0936, 0.2871, 0.5535

Protanopia

48.8979, 0.4224, 0.4642

Deuteranopia

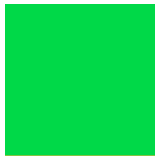
48.9232, 0.4373, 0.4279



Tritanopia

49.9011, 0.2346, 0.3067

Trichromacy



Original Color

50.0936, 0.2871, 0.5535



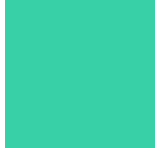
Protanomaly

45.2433, 0.3459, 0.5131



Deuteranomaly

44.3895, 0.3533, 0.4878



Tritanomaly

48.7057, 0.2513, 0.3940

Monochromacy



Original Color

50.0936, 0.2871, 0.5535



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

30.1288, 0.2874, 0.4252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0936, 0.2871, 0.5535 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, 217, 72)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 72)  
}
```

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, 217, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 72) }
```

Border

The CSS property to change the border of an element to Yxy 50.0936, 0.2871, 0.5535 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, 217, 72) }
```

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

```
.border{ border-color:rgb(0, 217, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 72);  
box-shadow:4px 4px 4px 4px rgb(0, 217, 72)  
}
```


Background

The CSS property to change the background color of an element to Yxy 50.0936, 0.2871, 0.5535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 72) }
```

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

```
.background{ background-color: rgb(0, 217,  
72) }
```

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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