

Converting Colors

Yxy(49.0318, 0.2884, 0.5238)

Have a look what the booklet for
Yxy(49.0318, 0.2884, 0.5238)
contains.

Yxy(49.0136, 0.2885, 0.5244)	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(49.0136, 0.2885, 0.5244)

Conversions

Conversions Part 1

Format	Color
Hex	33D559
RGB	51, 213, 89
RGB Percent	20%, 84%, 35%
CMY	0.7997, 0.1647, 0.6510
CMYK	0.76, 0.00, 0.58, 0.16
HSL	134°, 66%, 52%
HSV	134°, 76%, 84%
XYZ	26.9650, 49.0136, 17.4875
YIQ	150.4260, -56.7480, -72.9080

Conversions

Conversions Part 2

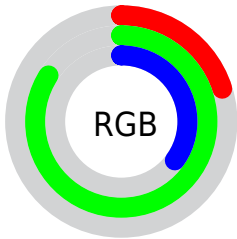
Format	Color
RYB	51, 182, 213
Decimal	3396953
CIELab	75.46, -65.68, 48.98
CIELCh	75, 81.931, 143.290
Yxy	49.0136, 0.2885, 0.5244
Android (android.graphics.Color)	4281587033 (0xFF33D559)
YUV	150.4260, -30.2830, -87.1966
Hunter-Lab	70.0097, -53.7659, 34.1969

Details

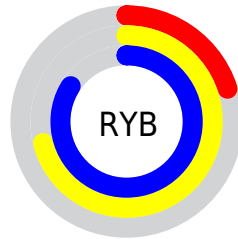
The Yxy color **49.0136, 0.2885, 0.5244** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark muted green. A complement of this color would be **19.6190, 0.3694, 0.1992**, and the grayscale version is **30.8487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6106, 0.2962, 0.4724**, and **24.2353, 0.2928, 0.5741** is the 20% darker color. If you saturate the color by 10%, you get **48.3382, 0.2897, 0.5488**, and if you desaturate by 10%, it is **50.0071, 0.2888, 0.4969**.

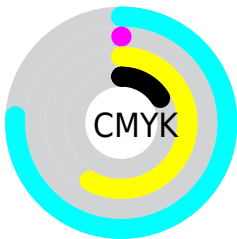
Distribution



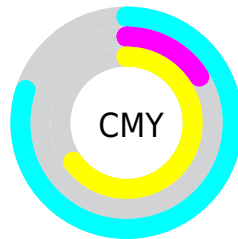
- Red (20%)
- Green (84%)
- Blue (35%)



- Red (20%)
- Yellow (71%)
- Blue (84%)



- Cyan (76%)
- Magenta (0%)
- Yellow (58%)
- Black (16%)





- Cyan (80%)
- Magenta (16%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0136, 0.2885, 0.5244 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 49.0136, 0.2885, 0.5244 by changing the saturation by 10% instead.

 49.0136, 0.2885,
0.5244


 49.0136, 0.2885,
0.5244


382.7959, 0.3065,
0.4195

 34.6303, 0.2819,
0.5520


 88.7117, 0.2966,
0.4850


 23.3782, 0.2721,
0.5879

 114.7952, 0.2991,
0.4705

 14.8730, 0.2569,
0.6355


 145.5475, 0.3011,
0.4584

 8.7303, 0.2320,
0.6999

 181.3531, 0.3026,
0.4482

 4.5657, 0.1938,
0.8062

 222.5964, 0.3039,
0.4395

 1.9948, 0.0116,
0.9884

269.6616, 0.3049,

 0.6044, 0.0000,

0.4319

1.0000

322.9333, 0.3058,
0.4253

■ 0.0000, 0.0000,
0.0000

■ 49.0136, 0.2885,
0.5244

■ 49.0136, 0.2885,
0.5244

■ 48.3382, 0.2897,
0.5488

■ 50.0071, 0.2888,
0.4969

■ 47.9326, 0.2921,
0.5686

■ 51.3469, 0.2904,
0.4679


■ 47.8180, 0.2931,
0.5752


■ 53.0648, 0.2932,
0.4389


■ 55.1872, 0.2968,
0.4110

■ 57.7381, 0.3009,
0.3851

 60.7397, 0.3054,
0.3615

 64.2126, 0.3100,
0.3405

 68.1761, 0.3145,
0.3219

 72.6483, 0.3189,
0.3057

Harmonies

Analogous

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



49.0136, 0.3887, 0.5290



49.0136, 0.2885, 0.5244



49.0136, 0.1998, 0.4206

Triad

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



49.0136, 0.2885, 0.5244



49.0136, 0.1555, 0.1762



49.0136, 0.5094, 0.3173

Complementary

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



49.0136, 0.2885, 0.5244



19.6190, 0.3694, 0.1992

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.



49.0136, 0.4205, 0.2520



49.0136, 0.2885, 0.5244



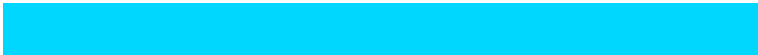
49.0136, 0.2108, 0.1750

Square

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



49.0136, 0.2885, 0.5244



49.0136, 0.1349, 0.2113



49.0136, 0.3042, 0.2016



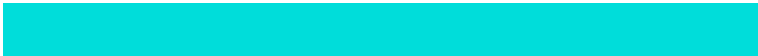
49.0136, 0.5262, 0.3896

Rectangle

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



49.0136, 0.2885, 0.5244



49.0136, 0.1603, 0.3322



49.0136, 0.3042, 0.2016



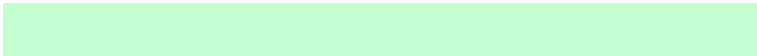
49.0136, 0.4865, 0.2945

Sweetspot

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



49.0156, 0.2885, 0.5244



87.9600, 0.3022, 0.3783



56.9676, 0.3795, 0.5132



18.4964, 0.3006, 0.3873



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.



49.0156, 0.2885, 0.5244



72.2414, 0.2910, 0.5611



51.1900, 0.2498, 0.3947



13.9432, 0.3084, 0.3474



29.2224, 0.2925, 0.5730



1.7756, 0.2831, 0.5392

Inverse Universe

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



19.6190, 0.3694, 0.1992



26.0722, 0.3842, 0.1925



17.3332, 0.5078, 0.2871



12.5806, 0.3173, 0.3113



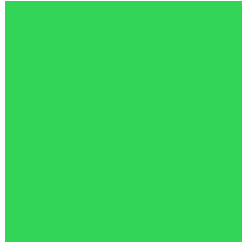
10.2756, 0.3902, 0.1923



0.6321, 0.3758, 0.1844

Previews

White Background



This preview shows how the Yxy color 49.0136, 0.2885, 0.5244 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 49.0136, 0.2885, 0.5244 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 49.0136, 0.2885, 0.5244

Background



This preview shows how black text looks on a background with the Yxy color 49.0136, 0.2885, 0.5244.



This preview shows how white text looks on a background with the Yxy color 49.0136, 0.2885, 0.5244.

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

49.0136, 0.2885, 0.5244

Protanopia

47.8393, 0.4124, 0.4508

Deuteranopia

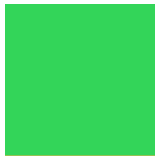
47.9591, 0.4236, 0.4160



Tritanopia

48.7532, 0.2382, 0.3066

Trichromacy



Original Color

49.0136, 0.2885, 0.5244



Protanomaly

46.0443, 0.3530, 0.4856



Deuteranomaly

44.9028, 0.3599, 0.4596



Tritanomaly

48.2704, 0.2565, 0.3822

Monochromacy



Original Color

49.0136, 0.2885, 0.5244



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.0231, 0.2976, 0.4043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0136, 0.2885, 0.5244 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(51, 213, 89)` looks like.

```
.text, #text, p{  
    color:rgb(51, 213, 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(51, 213, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 213, 89) }
```

Border

The CSS property to change the border of an element to Yxy 49.0136, 0.2885, 0.5244 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(51, 213, 89) }
```

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

```
.border{ border-color:rgb(51, 213, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 213, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 213, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 213, 89);  
box-shadow:4px 4px 4px 4px rgb(51, 213,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0136, 0.2885, 0.5244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 213, 89) }
```

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

```
.background{ background-color: rgb(51, 213,  
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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