

Converting Colors

$Y_{xy}(47.3369, 0.2979, 0.5852)$

Have a look what the booklet for
Yxy(47.3369, 0.2979, 0.5852)
contains.

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Color

Yxy(47.3369, 0.2979, 0.5852)

Conversions

Conversions Part 1

Format	Color
Hex	12D423
RGB	18, 212, 35
RGB Percent	7%, 83%, 14%
CMY	0.9291, 0.1686, 0.8628
CMYK	0.91, 0.00, 0.83, 0.17
HSL	125°, 84%, 45%
HSV	125°, 91%, 83%
XYZ	24.0972, 47.3369, 9.4561
YIQ	133.8160, -58.8070, -96.1750

Conversions

Conversions Part 2

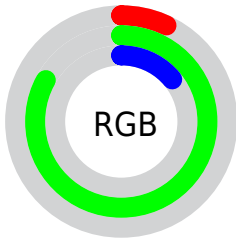
Format	Color
RYB	18, 196, 212
Decimal	1233955
CIELab	74.40, -73.22, 67.30
CIELCh	74, 99.452, 137.412
Yxy	47.3369, 0.2979, 0.5852
Android (android.graphics.Color)	4279424035 (0xFF12D423)
YUV	133.8160, -48.7163, -101.5706
Hunter-Lab	68.8018, -57.8853, 40.0125

Details

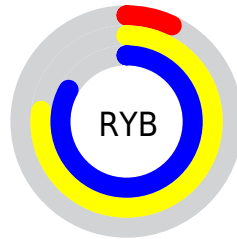
The Yxy color **47.3369, 0.2979, 0.5852** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **18.3761, 0.3420, 0.1688**, and the grayscale version is **23.9765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6981, 0.3088, 0.5270**, and **23.7769, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **47.1336, 0.2986, 0.5949**, and if you desaturate by 10%, it is **47.7945, 0.2973, 0.5670**.

Distribution



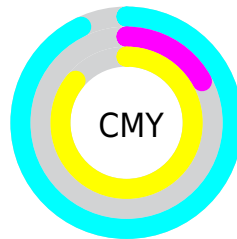
- Red (7%)
- Green (83%)
- Blue (14%)



- Red (7%)
- Yellow (77%)
- Blue (83%)



- Cyan (91%)
- Magenta (0%)
- Yellow (83%)
- Black (17%)





- Cyan (93%)
- Magenta (17%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3369, 0.2979, 0.5852 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 47.3369, 0.2979, 0.5852 by changing the saturation by 10% instead.


 47.3369, 0.2979,
0.5852


 47.3369, 0.2979,
0.5852


376.1577, 0.3167,
0.4483


 33.3021, 0.2888,
0.6193


 86.2163, 0.3079,
0.5348

 22.3579, 0.2747,
0.6616


 111.8296, 0.3107,
0.5159

 14.1202, 0.2523,
0.7149

 142.0713, 0.3127,
0.5000

 8.2043, 0.2169,
0.7831

 177.3256, 0.3141,
0.4865

 4.2259, 0.1559,
0.8441

 217.9770, 0.3151,
0.4750

 1.8007, 0.0000,
1.0000

 264.4099, 0.3158,

 0.4876, 0.0000,

0.4649

1.0000

317.0087, 0.3164,
0.4561

■ 0.0000, 0.0000,
0.0000

■ 47.3369, 0.2979,
0.5852

■ 47.3369, 0.2979,
0.5852

■ 47.1336, 0.2986,
0.5949

■ 47.7945, 0.2973,
0.5670

■ 48.5541, 0.2975,
0.5418

■ 49.6586, 0.2985,
0.5116

■ 51.1431, 0.3002,
0.4787

■ 53.0379, 0.3023,
0.4452

■ 55.3705, 0.3048,
0.4129

■ 58.1659, 0.3073,
0.3830

■ 61.4473, 0.3099,
0.3561

■ 65.2362, 0.3124,
0.3323

Harmonies

Analogous

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



47.3369, 0.4128, 0.5512



47.3369, 0.2979, 0.5852



47.3369, 0.1919, 0.4768

Triad

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



47.3369, 0.2979, 0.5852



47.3369, 0.1241, 0.1550



47.3369, 0.5369, 0.2937

Complementary

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



47.3369, 0.2979, 0.5852



18.3761, 0.3420, 0.1688

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.



47.3369, 0.4152, 0.2241



47.3369, 0.2979, 0.5852



47.3369, 0.1764, 0.1488

Square

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



47.3369, 0.2979, 0.5852



47.3369, 0.1077, 0.2002



47.3369, 0.2752, 0.1727



47.3369, 0.5687, 0.3710

Rectangle

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



47.3369, 0.2979, 0.5852



47.3369, 0.1426, 0.3602



47.3369, 0.2752, 0.1727



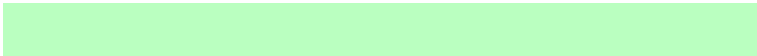
47.3369, 0.5039, 0.2694

Sweetspot

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



47.3389, 0.2979, 0.5852



85.7907, 0.3058, 0.4001



58.8467, 0.4043, 0.5130



18.0627, 0.3049, 0.4106



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.



47.3389, 0.2979, 0.5852



71.5789, 0.2988, 0.5956



48.8616, 0.2626, 0.4598



13.9134, 0.3104, 0.3509



29.1034, 0.2983, 0.5937



1.7616, 0.2932, 0.5756

Inverse Universe

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



18.3761, 0.3420, 0.1688



27.1287, 0.3446, 0.1672



15.3309, 0.5096, 0.2638



12.6131, 0.3151, 0.3080



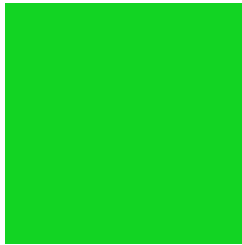
11.0394, 0.3440, 0.1669



0.6715, 0.3396, 0.1644

Previews

White Background



This preview shows how the Yxy color 47.3369, 0.2979, 0.5852 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 47.3369, 0.2979, 0.5852 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 47.3369, 0.2979, 0.5852

Background



This preview shows how black text looks on a background with the Yxy color 47.3369, 0.2979, 0.5852.



This preview shows how white text looks on a background with the Yxy color 47.3369, 0.2979, 0.5852.

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

47.3369, 0.2979, 0.5852

Protanopia

46.3678, 0.4360, 0.4835

Deuteranopia

46.1313, 0.4553, 0.4453



Tritanopia

46.9103, 0.2362, 0.3062

Trichromacy



Original Color

47.3369, 0.2979, 0.5852



Protanomaly

43.4629, 0.3639, 0.5372



Deuteranomaly

42.3417, 0.3751, 0.5109



Tritanomaly

45.4692, 0.2614, 0.4159

Monochromacy



Original Color

47.3369, 0.2979, 0.5852



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.9978, 0.3022, 0.4485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3369, 0.2979, 0.5852 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(18, 212, 35)` looks like.

```
.text, #text, p{  
    color:rgb(18, 212, 35)  
}
```

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(18, 212, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 212, 35) }
```

Border

The CSS property to change the border of an element to Yxy 47.3369, 0.2979, 0.5852 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(18, 212, 35) }
```

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

```
.border{ border-color:rgb(18, 212, 35) }
```

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

Here you see how a box with a 4 pixel rgb(18, 212, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 212, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 212, 35);  
box-shadow:4px 4px 4px 4px rgb(18, 212,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3369, 0.2979, 0.5852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 212, 35) }
```

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

```
.background{ background-color: rgb(18, 212,  
35) }
```

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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