

Converting Colors

$Y_{xy}(44.0119, 0.2923, 0.5678)$

Have a look what the booklet for
Yxy(44.0119, 0.2923, 0.5678)
contains.

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Color

Yxy(44.0071, 0.2924, 0.5682)

Conversions

Conversions Part 1

Format	Color
Hex	0CCD36
RGB	12, 205, 54
RGB Percent	5%, 80%, 21%
CMY	0.9542, 0.1960, 0.7880
CMYK	0.94, 0.00, 0.74, 0.20
HSL	133°, 89%, 42%
HSV	133°, 94%, 80%
XYZ	22.6464, 44.0071, 10.7965
YIQ	130.0790, -66.5570, -87.8770

Conversions

Conversions Part 2

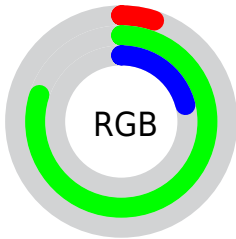
Format	Color
RYB	12, 171, 205
Decimal	838966
CIELab	72.23, -70.34, 59.56
CIELCh	72, 92.169, 139.747
Yxy	44.0071, 0.2924, 0.5682
Android (android.graphics.Color)	4279029046 (0xFF0CCD36)
YUV	130.0790, -37.5069, -103.5553
Hunter-Lab	66.3378, -55.1550, 36.7870

Details

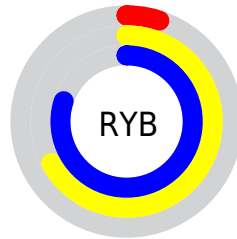
The Yxy color **44.0071, 0.2924, 0.5682** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **15.8669, 0.3813, 0.1898**, and the grayscale version is **22.4738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7100, 0.3023, 0.5142**, and **21.4949, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.8551, 0.2938, 0.5776**, and if you desaturate by 10%, it is **44.4192, 0.2903, 0.5477**.

Distribution



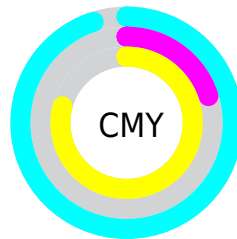
- Red (5%)
- Green (80%)
- Blue (21%)



- Red (5%)
- Yellow (67%)
- Blue (80%)



- Cyan (94%)
- Magenta (0%)
- Yellow (74%)
- Black (20%)




- Cyan (95%)
- Magenta (20%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0071, 0.2924, 0.5682 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 44.0071, 0.2924, 0.5682 by changing the saturation by 10% instead.


 44.0071, 0.2924,
0.5682

 44.0071, 0.2924,
0.5682


362.7372, 0.3121,
0.4380


 30.6761, 0.2837,
0.6021


 81.2284, 0.3023,
0.5193

 20.3523, 0.2701,
0.6453

 105.8875, 0.3051,
0.5013

 12.6514, 0.2482,
0.7004

 135.0915, 0.3072,
0.4863

 7.1889, 0.2159,
0.7841

 169.2246, 0.3088,
0.4736

 3.5805, 0.1481,
0.8519

 208.6714, 0.3100,
0.4627

 1.4418, 0.0000,
1.0000

253.8161, 0.3109,

 0.2472, 0.0000,

0.4534

1.0000

305.0433, 0.3116,
0.4452

■ 0.0000, 0.0000,
0.0000

■ 44.0071, 0.2924,
0.5682

■ 44.0071, 0.2924,
0.5682

■ 43.8551, 0.2938,
0.5776

■ 44.4192, 0.2903,
0.5477

■ 45.0875, 0.2894,
0.5227

■ 46.0507, 0.2900,
0.4946

■ 47.3393, 0.2918,
0.4652

■ 48.9799, 0.2946,
0.4358

■ 50.9964, 0.2982,
0.4078

■ 53.4105, 0.3022,
0.3818

■ 56.2423, 0.3065,
0.3582

■ 59.5103, 0.3109,
0.3372

Harmonies

Analogous

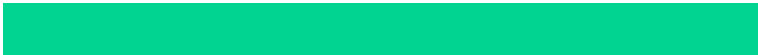
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.0071, 0.4037, 0.5488



44.0071, 0.2924, 0.5682



44.0071, 0.1914, 0.4560

Triad

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



44.0071, 0.2924, 0.5682



44.0071, 0.1330, 0.1597



44.0071, 0.5322, 0.3023

Complementary

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



44.0071, 0.2924, 0.5682



15.8669, 0.3813, 0.1898

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.



44.0071, 0.4213, 0.2333



44.0071, 0.2924, 0.5682



44.0071, 0.1875, 0.1558

Square

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



44.0071, 0.2924, 0.5682



44.0071, 0.1146, 0.2010



44.0071, 0.2867, 0.1813



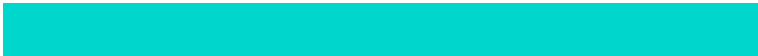
44.0071, 0.5571, 0.3788

Rectangle

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



44.0071, 0.2924, 0.5682



44.0071, 0.1456, 0.3474



44.0071, 0.2867, 0.1813



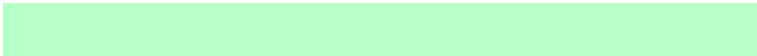
44.0071, 0.5028, 0.2782

Sweetspot

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



44.0089, 0.2924, 0.5682



85.7961, 0.3005, 0.3920



51.4912, 0.3823, 0.5317



18.0019, 0.2988, 0.4035



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.



44.0089, 0.2924, 0.5682



71.8044, 0.2943, 0.5793



45.9516, 0.2504, 0.4184



12.5766, 0.3086, 0.3476



27.3110, 0.2932, 0.5755



1.4206, 0.2826, 0.5375

Inverse Universe

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



15.8669, 0.3813, 0.1898



25.3888, 0.3870, 0.1906



13.6343, 0.5668, 0.2938



11.3600, 0.3171, 0.3111



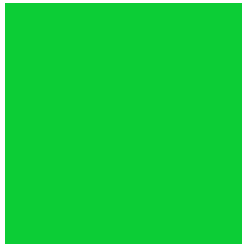
9.6763, 0.3849, 0.1894



0.5099, 0.3700, 0.1812

Previews

White Background



This preview shows how the Yxy color 44.0071, 0.2924, 0.5682 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 44.0071, 0.2924, 0.5682 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 44.0071, 0.2924, 0.5682

Background



This preview shows how black text looks on a background with the Yxy color 44.0071, 0.2924, 0.5682.



This preview shows how white text looks on a background with the Yxy color 44.0071, 0.2924, 0.5682.

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

44.0071, 0.2924, 0.5682

Protanopia

43.1262, 0.4286, 0.4732

Deuteranopia

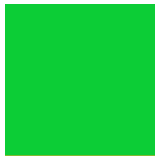
42.9725, 0.4452, 0.4367



Tritanopia

43.6979, 0.2352, 0.3055

Trichromacy



Original Color

44.0071, 0.2924, 0.5682



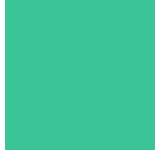
Protanomaly

40.5168, 0.3557, 0.5231



Deuteranomaly

39.2576, 0.3645, 0.4973



Tritanomaly

42.6138, 0.2560, 0.4029

Monochromacy



Original Color

44.0071, 0.2924, 0.5682



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

27.0995, 0.2950, 0.4349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0071, 0.2924, 0.5682 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(12, 205, 54)` looks like.

```
.text, #text, p{  
    color:rgb(12, 205, 54)  
}
```

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(12, 205, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 205, 54) }
```

Border

The CSS property to change the border of an element to Yxy 44.0071, 0.2924, 0.5682 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(12, 205, 54) }
```

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

```
.border{ border-color:rgb(12, 205, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 205, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 205, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 205, 54);  
box-shadow:4px 4px 4px 4px rgb(12, 205,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0071, 0.2924, 0.5682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 205, 54) }
```

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

```
.background{ background-color: rgb(12, 205,  
54) }
```

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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