

Converting Colors

$Y_{xy}(43.4373, 0.3036, 0.5972)$

Have a look what the booklet for
Yxy(43.4373, 0.3036, 0.5972)
contains.

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Color

Yxy(43.4326, 0.3035, 0.5972)

Conversions

Conversions Part 1

Format	Color
Hex	1CCC00
RGB	28, 204, 0
RGB Percent	11%, 80%, 0%
CMY	0.8901, 0.2000, 0.9997
CMYK	0.86, 0.00, 1.00, 0.20
HSL	112°, 100%, 40%
HSV	112°, 100%, 80%
XYZ	22.0727, 43.4326, 7.2218
YIQ	128.1200, -39.4120, -100.7560

Conversions

Conversions Part 2

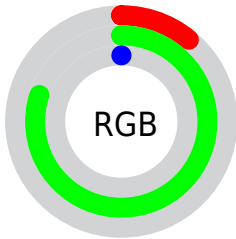
Format	Color
RYB	0, 204, 176
Decimal	1887232
CIELab	71.85, -71.32, 70.50
CIELCh	72, 100.287, 135.330
Yxy	43.4326, 0.3035, 0.5972
Android (android.graphics.Color)	4280077312 (0xFF1CCC00)
YUV	128.1200, -63.1632, -87.8052
Hunter-Lab	65.9034, -55.5470, 39.6353

Details

The Yxy color **43.4326, 0.3035, 0.5972** 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 **13.5985, 0.2863, 0.1351**, and the grayscale version is **21.8718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5588, 0.3148, 0.5415**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.4332, 0.3035, 0.5972**, and if you desaturate by 10%, it is **43.8116, 0.3062, 0.5874**.

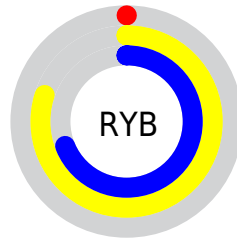
Distribution



Red (11%)

Green (80%)

Blue (0%)



Red (0%)

Yellow (80%)

Blue (69%)

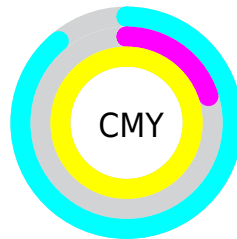


Cyan (86%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (89%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4326, 0.3035, 0.5972 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 43.4326, 0.3035, 0.5972 by changing the saturation by 10% instead.


 43.4326, 0.3035,
0.5972


 43.4326, 0.3035,
0.5972


360.3878, 0.3214,
0.4532


 30.2247, 0.2936,
0.6327


 80.3633, 0.3139,
0.5443

 20.0092, 0.2778,
0.6761


 104.8548, 0.3166,
0.5244

 12.4017, 0.2552,
0.7379


 133.8763, 0.3184,
0.5077

 7.0179, 0.2102,
0.7898

 167.8123, 0.3196,
0.4935

 3.4733, 0.1384,
0.8616

 207.0470, 0.3204,
0.4812

 1.3835, 0.0000,
1.0000

 251.9649, 0.3209,

 0.2045, 0.0000,

0.4707

1.0000

302.9504, 0.3212,
0.4614

■ 0.0000, 0.0000,
0.0000

■ 43.4326, 0.3035,
0.5972

■ 43.4326, 0.3035,
0.5972

■ 43.4332, 0.3035,
0.5972

■ 43.8116, 0.3062,
0.5874

■ 44.4109, 0.3090,
0.5704

■ 45.2694, 0.3114,
0.5459

■ 46.4131, 0.3132,
0.5157

■ 47.8647, 0.3144,
0.4822

■ 49.6445, 0.3149,
0.4478

■ 51.7713, 0.3149,
0.4142

■ 54.2621, 0.3144,
0.3828

■ 57.1330, 0.3137,
0.3543

Harmonies

Analogous

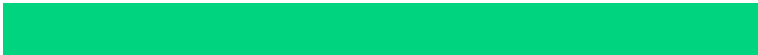
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.4326, 0.4210, 0.5507



43.4326, 0.3035, 0.5972



43.4326, 0.1937, 0.4953

Triad

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



43.4326, 0.3035, 0.5972



43.4326, 0.1173, 0.1520



43.4326, 0.5386, 0.2864

Complementary

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



43.4326, 0.3035, 0.5972



13.5985, 0.2863, 0.1351

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.



43.4326, 0.4080, 0.2166



43.4326, 0.3035, 0.5972



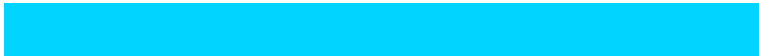
43.4326, 0.1674, 0.1438

Square

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



43.4326, 0.3035, 0.5972



43.4326, 0.1029, 0.2009



43.4326, 0.2649, 0.1661



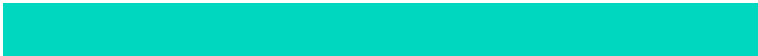
43.4326, 0.5774, 0.3639

Rectangle

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



43.4326, 0.3035, 0.5972



43.4326, 0.1415, 0.3729



43.4326, 0.2649, 0.1661



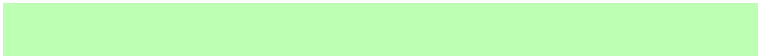
43.4326, 0.5024, 0.2619

Sweetspot

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



43.4344, 0.3035, 0.5972



85.5712, 0.3149, 0.4156



42.8845, 0.4487, 0.4819



17.9807, 0.3149, 0.4298



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.



43.4344, 0.3035, 0.5972



71.8764, 0.3031, 0.5976



43.6483, 0.2855, 0.5479



12.6094, 0.3136, 0.3528



27.3604, 0.3040, 0.5968



1.4361, 0.3143, 0.5887

Inverse Universe

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



13.5985, 0.2863, 0.1351



22.4443, 0.2858, 0.1348



14.5229, 0.4348, 0.2169



11.3228, 0.3116, 0.3060



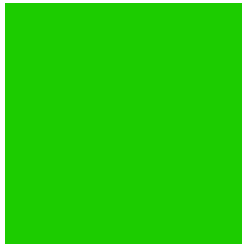
8.5868, 0.2868, 0.1354



0.4650, 0.2939, 0.1393

Previews

White Background



This preview shows how the Yxy color 43.4326, 0.3035, 0.5972 looks on a white background.

Color Contrast Check

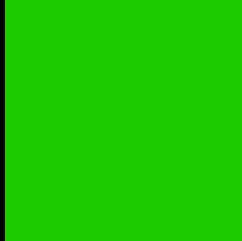
Large Text (above 18pt) WCAG AA × Fail

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 43.4326, 0.3035, 0.5972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

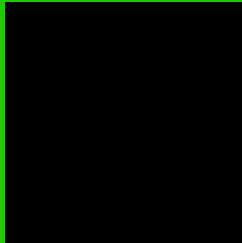
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.4326, 0.3035, 0.5972

Background



This preview shows how black text looks on a background with the Yxy color 43.4326, 0.3035, 0.5972.



This preview shows how white text looks on a background with the Yxy color 43.4326, 0.3035, 0.5972.

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

43.4326, 0.3035, 0.5972

Protanopia

42.5303, 0.4405, 0.4884

Deuteranopia

42.5144, 0.4601, 0.4517



Tritanopia

43.3585, 0.2375, 0.3069

Trichromacy



Original Color

43.4326, 0.3035, 0.5972



Protanomaly

40.3521, 0.3725, 0.5424



Deuteranomaly

39.2104, 0.3858, 0.5197



Tritanomaly

41.8352, 0.2707, 0.4379

Monochromacy



Original Color

43.4326, 0.3035, 0.5972



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

26.6463, 0.3152, 0.4723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4326, 0.3035, 0.5972 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(28, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(28, 204, 0)  
}
```

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(28, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 43.4326, 0.3035, 0.5972 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(28, 204, 0) }
```

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

```
.border{ border-color:rgb(28, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(28, 204, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 43.4326, 0.3035, 0.5972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 204, 0) }
```

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

```
.background{ background-color: rgb(28, 204,  
0) }
```

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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