

Converting Colors

$Y_{xy}(43.3164, 0.3019, 0.5985)$

Have a look what the booklet for
Yxy(43.3164, 0.3019, 0.5985)
contains.

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Color

Yxy(43.3143, 0.3018, 0.5985)

Conversions

Conversions Part 1

Format	Color
Hex	12CC00
RGB	18, 204, 0
RGB Percent	7%, 80%, 0%
CMY	0.9298, 0.2000, 0.9991
CMYK	0.91, 0.00, 1.00, 0.20
HSL	115°, 100%, 40%
HSV	115°, 100%, 80%
XYZ	21.8417, 43.3143, 7.2154
YIQ	125.1300, -45.3720, -102.8760

Conversions

Conversions Part 2

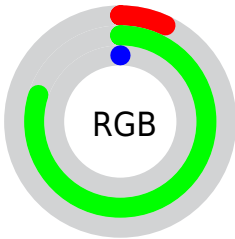
Format	Color
RYB	0, 204, 186
Decimal	1231872
CIELab	71.77, -72.05, 70.39
CIELCh	72, 100.729, 135.669
Yxy	43.3143, 0.3018, 0.5985
Android (android.graphics.Color)	4279421952 (0xFF12CC00)
YUV	125.1300, -61.6891, -93.9530
Hunter-Lab	65.8136, -55.9346, 39.5693

Details

The Yxy color **43.3143, 0.3018, 0.5985** 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 **14.8483, 0.2991, 0.1422**, and the grayscale version is **20.7764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3653, 0.3134, 0.5424**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.3135, 0.3018, 0.5986**, and if you desaturate by 10%, it is **43.6254, 0.3036, 0.5893**.

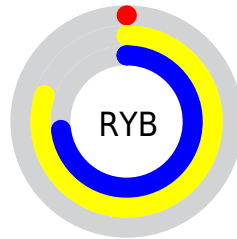
Distribution



Red (7%)

Green (80%)

Blue (0%)



Red (0%)

Yellow (80%)

Blue (73%)

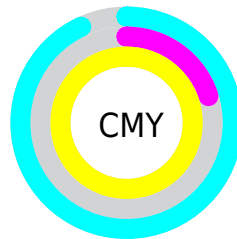


Cyan (91%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (93%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.3143, 0.3018, 0.5985 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 43.3143, 0.3018, 0.5985 by changing the saturation by 10% instead.


 43.3143, 0.3018,
0.5985


 43.3143, 0.3018,
0.5985


359.9027, 0.3206,
0.4536

 30.1318, 0.2917,
0.6343


 80.1849, 0.3125,
0.5452


 19.9386, 0.2755,
0.6781

 104.6419, 0.3154,
0.5252


 12.3505, 0.2526,
0.7406


 133.6257, 0.3173,
0.5083

 6.9828, 0.2070,
0.7930

 167.5209, 0.3185,
0.4940

 3.4514, 0.1335,
0.8665

 206.7118, 0.3194,
0.4818

 1.3717, 0.0000,
1.0000


 251.5828, 0.3200,


 0.1957, 0.0000,


0.4711


1.0000

302.5183, 0.3204,
0.4618


 0.0000, 0.0000,
0.0000


 43.3143, 0.3018,
0.5985


 43.3143, 0.3018,
0.5985


 43.3135, 0.3018,
0.5986

 43.6254, 0.3036,
0.5893

 44.1650, 0.3057,
0.5726

 44.9772, 0.3078,
0.5481

 46.0919, 0.3096,
0.5176

 47.5352, 0.3110,
0.4836

■ 49.3303, 0.3119,
0.4486

■ 51.4983, 0.3126,
0.4146

■ 54.0587, 0.3128,
0.3829

■ 57.0296, 0.3129,
0.3542

Harmonies

Analogous

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



43.3143, 0.4197, 0.5524



43.3143, 0.3018, 0.5985



43.3143, 0.1920, 0.4944

Triad

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



43.3143, 0.3018, 0.5985



43.3143, 0.1170, 0.1510



43.3143, 0.5407, 0.2869

Complementary

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



43.3143, 0.3018, 0.5985



14.8483, 0.2991, 0.1422

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.



43.3143, 0.4102, 0.2168



43.3143, 0.3018, 0.5985



43.3143, 0.1677, 0.1432

Square

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



43.3143, 0.3018, 0.5985



43.3143, 0.1022, 0.1994



43.3143, 0.2660, 0.1659



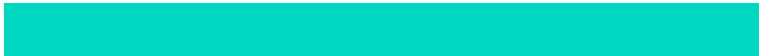
43.3143, 0.5783, 0.3646

Rectangle

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



43.3143, 0.3018, 0.5985



43.3143, 0.1400, 0.3710



43.3143, 0.2660, 0.1659



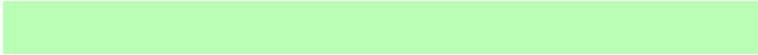
43.3143, 0.5047, 0.2624

Sweetspot

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



43.3161, 0.3018, 0.5985



85.0846, 0.3125, 0.4162



46.9652, 0.4381, 0.4903



17.8697, 0.3123, 0.4306



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.



43.3161, 0.3018, 0.5985



71.6916, 0.3015, 0.5988



43.7949, 0.2816, 0.5336



12.5826, 0.3129, 0.3529



27.2779, 0.3022, 0.5983



1.4236, 0.3092, 0.5927

Inverse Universe

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



14.8483, 0.2991, 0.1422



24.5284, 0.2988, 0.1420



14.2607, 0.4549, 0.2280



11.3524, 0.3124, 0.3061



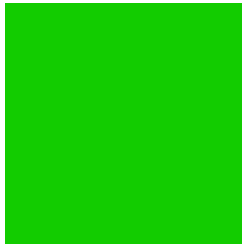
9.3608, 0.2994, 0.1423



0.4978, 0.3039, 0.1448

Previews

White Background



This preview shows how the Yxy color 43.3143, 0.3018, 0.5985 looks on a white background.

Color Contrast Check

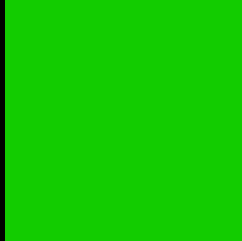
Large Text (above 18pt) WCAG AA × Fail

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 43.3143, 0.3018, 0.5985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

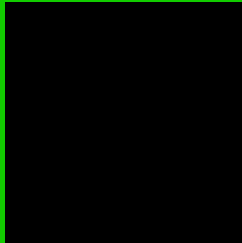
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.3143, 0.3018, 0.5985

Background



This preview shows how black text looks on a background with the Yxy color 43.3143, 0.3018, 0.5985.



This preview shows how white text looks on a background with the Yxy color 43.3143, 0.3018, 0.5985.

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

43.3143, 0.3018, 0.5985

Protanopia

42.5303, 0.4405, 0.4884

Deuteranopia

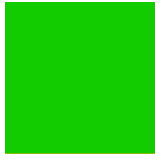
42.1522, 0.4611, 0.4507



Tritanopia

43.2609, 0.2367, 0.3069

Trichromacy



Original Color

43.3143, 0.3018, 0.5985



Protanomaly

40.0233, 0.3689, 0.5453



Deuteranomaly

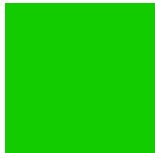
38.4350, 0.3827, 0.5219



Tritanomaly

41.6930, 0.2682, 0.4367

Monochromacy



Original Color

43.3143, 0.3018, 0.5985



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

25.6688, 0.3109, 0.4739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.3143, 0.3018, 0.5985 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, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(18, 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(18, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 43.3143, 0.3018, 0.5985 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, 204, 0) }
```

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

```
.border{ border-color:rgb(18, 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(18, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(18, 204, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 43.3143, 0.3018, 0.5985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 204, 0) }
```

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

```
.background{ background-color: rgb(18, 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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