

Converting Colors

Yxy(43.1844, 0.3168, 0.5866)

Have a look what the booklet for
Yxy(43.1844, 0.3168, 0.5866)
contains.

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Color

Yxy(42.9666, 0.3168, 0.5867)

Conversions

Conversions Part 1

Format	Color
Hex	43C900
RGB	67, 201, 0
RGB Percent	26%, 79%, 0%
CMY	0.7373, 0.2117, 1.0000
CMYK	0.67, 0.00, 1.00, 0.21
HSL	100°, 100%, 39%
HSV	100°, 100%, 79%
XYZ	23.2006, 42.9666, 7.0671
YIQ	138.0200, -15.3430, -90.9190

Conversions

Conversions Part 2

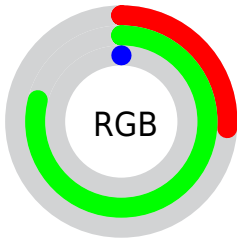
Format	Color
RYB	0, 201, 134
Decimal	4442368
CIELab	71.53, -64.81, 70.54
CIELCh	72, 95.796, 132.576
Yxy	42.9666, 0.3168, 0.5867
Android (android.graphics.Color)	4282632448 (0xFF43C900)
YUV	138.0200, -68.0439, -62.2845
Hunter-Lab	65.5489, -51.5316, 39.4919

Details

The Yxy color **42.9666, 0.3168, 0.5867** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **9.2864, 0.2379, 0.1084**, and the grayscale version is **25.6935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1006, 0.3253, 0.5346**, and **20.5578, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **42.9686, 0.3168, 0.5867**, and if you desaturate by 10%, it is **43.5491, 0.3218, 0.5753**.

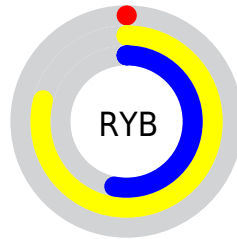
Distribution



Red (26%)

Green (79%)

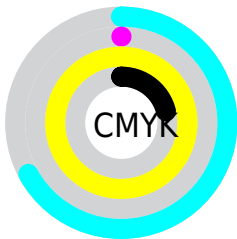
Blue (0%)



Red (0%)

Yellow (79%)

Blue (53%)

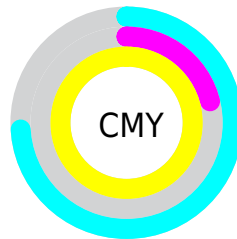


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (74%)


Magenta (21%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9666, 0.3168, 0.5867 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 42.9666, 0.3168, 0.5867 by changing the saturation by 10% instead.


 42.9666, 0.3168,
0.5867


 42.9666, 0.3168,
0.5867


358.4744, 0.3276,
0.4494

 29.8589, 0.3087,
0.6202


 79.6605, 0.3246,
0.5365

 19.7315, 0.2951,
0.6609


 104.0154, 0.3263,
0.5176

 12.2000, 0.2757,
0.7199


 132.8882, 0.3272,
0.5016

 6.8801, 0.2330,
0.7670

 166.6634, 0.3277,
0.4880

 3.3872, 0.1679,
0.8321

 205.7251, 0.3279,
0.4763

 1.3371, 0.0000,
1.0000

 250.4580, 0.3279,

 0.1696, 0.0000,

0.4662

1.0000

301.2463, 0.3278,
0.4573

■ 0.0000, 0.0000,
0.0000

■ 42.9666, 0.3168,
0.5867

■ 42.9666, 0.3168,
0.5867

■ 42.9686, 0.3168,
0.5867

■ 43.5491, 0.3218,
0.5753

■ 44.2990, 0.3259,
0.5581

■ 45.2430, 0.3285,
0.5346

■ 46.3967, 0.3294,
0.5065

■ 47.7737, 0.3289,
0.4754

■ 49.3864, 0.3270,
0.4434

■ 51.2463, 0.3241,
0.4119

■ 53.3638, 0.3206,
0.3819

■ 55.7489, 0.3168,
0.3542

Harmonies

Analogous

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



42.9666, 0.4305, 0.5372



42.9666, 0.3168, 0.5867



42.9666, 0.2076, 0.5020

Triad

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



42.9666, 0.3168, 0.5867



42.9666, 0.1198, 0.1598



42.9666, 0.5211, 0.2822

Complementary

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



42.9666, 0.3168, 0.5867



9.2864, 0.2379, 0.1084

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.



42.9666, 0.3912, 0.2147



42.9666, 0.3168, 0.5867



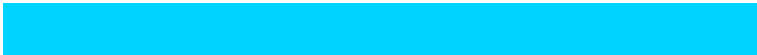
42.9666, 0.1657, 0.1483

Square

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



42.9666, 0.3168, 0.5867



42.9666, 0.1089, 0.2132



42.9666, 0.2562, 0.1675



42.9666, 0.5694, 0.3582

Rectangle

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



42.9666, 0.3168, 0.5867



42.9666, 0.1532, 0.3876



42.9666, 0.2562, 0.1675



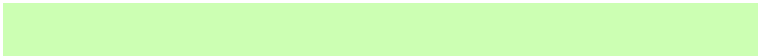
42.9666, 0.4838, 0.2583

Sweetspot

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



42.9686, 0.3168, 0.5867



87.5915, 0.3243, 0.4132



29.4692, 0.4938, 0.4461



18.4472, 0.3256, 0.4265



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.



42.9686, 0.3168, 0.5867



73.4509, 0.3159, 0.5874



41.8881, 0.2961, 0.5858



12.0567, 0.3165, 0.3525



27.0607, 0.3177, 0.5859



1.3211, 0.3346, 0.5725

Inverse Universe

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



9.2864, 0.2379, 0.1084



15.7669, 0.2368, 0.1078



15.2269, 0.3684, 0.1803



10.6327, 0.3086, 0.3059



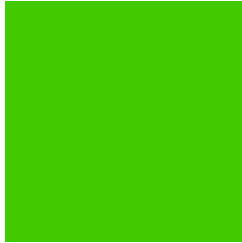
5.8904, 0.2391, 0.1091



0.3173, 0.2565, 0.1187

Previews

White Background



This preview shows how the Yxy color 42.9666, 0.3168, 0.5867 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 42.9666, 0.3168, 0.5867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

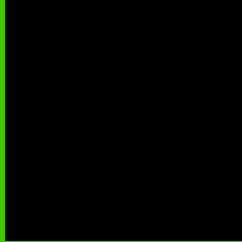
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9666, 0.3168, 0.5867

Background



This preview shows how black text looks on a background with the Yxy color 42.9666, 0.3168, 0.5867.



This preview shows how white text looks on a background with the Yxy color 42.9666, 0.3168, 0.5867.

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

42.9666, 0.3168, 0.5867

Protanopia

42.0079, 0.4406, 0.4884

Deuteranopia

42.1448, 0.4615, 0.4512



Tritanopia

42.8082, 0.2457, 0.3071

Trichromacy



Original Color

42.9666, 0.3168, 0.5867



Protanomaly

40.6705, 0.3861, 0.5316



Deuteranomaly

39.8124, 0.4014, 0.5084



Tritanomaly

41.5084, 0.2826, 0.4324

Monochromacy



Original Color

42.9666, 0.3168, 0.5867



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.6391, 0.3277, 0.4584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9666, 0.3168, 0.5867 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(67, 201, 0)` looks like.

```
.text, #text, p{  
    color:rgb(67, 201, 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(67, 201, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 201, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.9666, 0.3168, 0.5867 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(67, 201, 0) }
```

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

```
.border{ border-color:rgb(67, 201, 0) }
```

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

Here you see how a box with a 4 pixel rgb(67, 201, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 201, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 201, 0);  
box-shadow:4px 4px 4px 4px rgb(67, 201, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 42.9666, 0.3168, 0.5867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 201, 0) }
```

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

```
.background{ background-color: rgb(67, 201,  
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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