

# Converting Colors

Yxy(42.4814, 0.3072, 0.5943)

Have a look what the booklet for  
Yxy(42.4814, 0.3072, 0.5943)  
contains.

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# Color

**Yxy(42.2655, 0.3071, 0.5943)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2AC900
RGB	42, 201, 0
RGB Percent	16%, 79%, 0%
CMY	0.8355, 0.2117, 0.9992
CMYK	0.79, 0.00, 1.00, 0.21
HSL	108°, 100%, 39%
HSV	108°, 100%, 79%
XYZ	21.8404, 42.2655, 7.0122
YIQ	130.5450, -30.2430, -96.2190

# Conversions

## Conversions Part 2

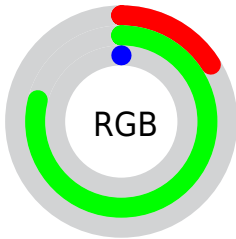
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 201, 159
Decimal	2803968
CIELab	71.05, -68.98, 69.93
CIElCh	71, 98.223, 134.610
Yxy	42.2655, 0.3071, 0.5943
Android (android.graphics.Color)	4280994048 (0xFF2AC900)
YUV	130.5450, -64.3587, -77.6540
Hunter-Lab	65.0119, -53.8048, 39.1133

# Details

The Yxy color **42.2655, 0.3071, 0.5943** 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 **11.6210, 0.2686, 0.1253**, and the grayscale version is **22.7707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8960, 0.3172, 0.5399**, and **20.2508, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **42.2634, 0.3071, 0.5944**, and if you desaturate by 10%, it is **42.7229, 0.3108, 0.5836**.

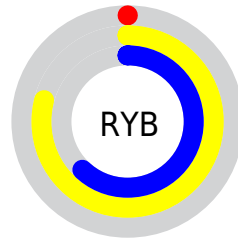
# Distribution



Red (16%)

Green (79%)

Blue (0%)



Red (0%)

Yellow (79%)

Blue (62%)

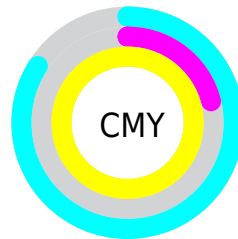


Cyan (79%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (84%)

Magenta (21%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2655, 0.3071, 0.5943 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 42.2655, 0.3071, 0.5943 by changing the saturation by 10% instead.





 42.2655, 0.3071,  
0.5943

 42.2655, 0.3071,  
0.5943


355.5824, 0.3231,  
0.4516


 29.3092, 0.2976,  
0.6295


 78.6013, 0.3168,  
0.5418


 19.3149, 0.2821,  
0.6727


 102.7496, 0.3193,  
0.5221


 11.8980, 0.2605,  
0.7358


 131.3974, 0.3208,  
0.5055

 6.6743, 0.2145,  
0.7855

 164.9291, 0.3218,  
0.4914

 3.2592, 0.1402,  
0.8598

 203.7290, 0.3224,  
0.4793

 1.2685, 0.0000,  
1.0000

 248.1816, 0.3228,

 0.1166, 0.0000,

0.4688

1.0000

298.6713, 0.3230,  
0.4597

■ 0.0000, 0.0000,  
0.0000

■ 42.2655, 0.3071,  
0.5943

■ 42.2655, 0.3071,  
0.5943

■ 42.2634, 0.3071,  
0.5944

■ 42.7229, 0.3108,  
0.5836

■ 43.3792, 0.3144,  
0.5662

■ 44.2665, 0.3171,  
0.5418

■ 45.4057, 0.3188,  
0.5122

■ 46.8149, 0.3194,  
0.4795

■ 48.5105, 0.3192,  
0.4459

■ 50.5076, 0.3182,  
0.4131

■ 52.8203, 0.3166,  
0.3822

■ 55.4617, 0.3148,  
0.3540

# Harmonies

## Analogous

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



42.2655, 0.4236, 0.5470



42.2655, 0.3071, 0.5943



42.2655, 0.1974, 0.4971

# Triad

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



42.2655, 0.3071, 0.5943



42.2655, 0.1180, 0.1541



42.2655, 0.5339, 0.2853

# Complementary

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



42.2655, 0.3071, 0.5943



11.6210, 0.2686, 0.1253

# 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.



42.2655, 0.4035, 0.2161



42.2655, 0.3071, 0.5943



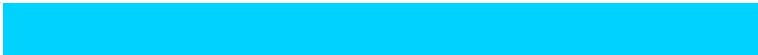
42.2655, 0.1670, 0.1450

# Square

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



42.2655, 0.3071, 0.5943



42.2655, 0.1045, 0.2042



42.2655, 0.2625, 0.1665



42.2655, 0.5752, 0.3625



# Rectangle

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



42.2655, 0.3071, 0.5943



42.2655, 0.1446, 0.3769



42.2655, 0.2625, 0.1665



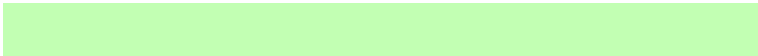
42.2655, 0.4973, 0.2610

# Sweetspot

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



42.2673, 0.3071, 0.5943



86.2766, 0.3182, 0.4148



36.7020, 0.4638, 0.4699



18.1426, 0.3187, 0.4286



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.



42.2673, 0.3071, 0.5943



72.2767, 0.3064, 0.5949



42.0736, 0.2901, 0.5642



11.9923, 0.3147, 0.3527



26.6041, 0.3078, 0.5938



1.2915, 0.3222, 0.5823



# Inverse Universe

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



11.6210, 0.2686, 0.1253



19.7774, 0.2678, 0.1249



14.4398, 0.4089, 0.2026



10.7011, 0.3105, 0.3060



7.3409, 0.2693, 0.1257

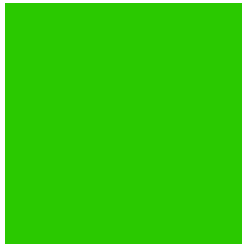


0.3764, 0.2806, 0.1320



# Previews

## White Background



This preview shows how the Yxy color 42.2655, 0.3071, 0.5943 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 42.2655, 0.3071, 0.5943 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 42.2655, 0.3071, 0.5943**

## Background



This preview shows how black text looks on a background with the Yxy color 42.2655, 0.3071, 0.5943.



This preview shows how white text looks on a background with the Yxy color 42.2655, 0.3071, 0.5943.

# 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

42.2655, 0.3071, 0.5943

### Protanopia

41.4892, 0.4407, 0.4883

### Deuteranopia

41.4771, 0.4608, 0.4515



## Tritanopia

42.0802, 0.2394, 0.3067

# Trichromacy



## Original Color

42.2655, 0.3071, 0.5943



## Protanomaly

39.3559, 0.3774, 0.5385



## Deuteranomaly

38.2957, 0.3913, 0.5158



## Tritanomaly

40.7401, 0.2737, 0.4350

# Monochromacy



## Original Color

42.2655, 0.3071, 0.5943



## Achromatopsia

22.6966, 0.3127, 0.3290



## Achromatomaly

27.0541, 0.3202, 0.4658

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.2655, 0.3071, 0.5943 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(42, 201, 0)` looks like.

```
.text, #text, p{  
    color:rgb(42, 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(42, 201, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 201, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 42.2655, 0.3071, 0.5943 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(42, 201, 0) }
```

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

```
.border{ border-color:rgb(42, 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(42, 201, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 201, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 201, 0);  
box-shadow:4px 4px 4px 4px rgb(42, 201, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 42.2655, 0.3071, 0.5943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 201, 0) }
```

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

```
.background{ background-color: rgb(42, 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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