

Converting Colors

$Y_{xy}(44.9472, 0.3073, 0.5942)$

Have a look what the booklet for
Yxy(44.9472, 0.3073, 0.5942)
contains.

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Color

Yxy(45.1611, 0.3073, 0.5942)

Conversions

Conversions Part 1

Format	Color
Hex	2CCF00
RGB	44, 207, 0
RGB Percent	17%, 81%, 0%
CMY	0.8269, 0.1882, 0.9999
CMYK	0.79, 0.00, 1.00, 0.19
HSL	107°, 100%, 41%
HSV	107°, 100%, 81%
XYZ	23.3558, 45.1611, 7.4863
YIQ	134.6650, -30.7010, -98.9330

Conversions

Conversions Part 2

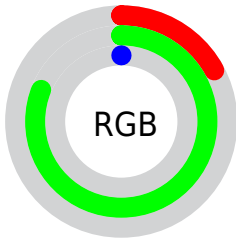
Format	Color
RYB	0, 207, 163
Decimal	2936576
CIELab	73.00, -70.44, 71.51
CIELCh	73, 100.373, 134.566
Yxy	45.1611, 0.3073, 0.5942
Android (android.graphics.Color)	4281126656 (0xFF2CCF00)
YUV	134.6650, -66.3898, -79.5132
Hunter-Lab	67.2020, -55.5666, 40.4365

Details

The Yxy color **45.1611, 0.3073, 0.5942** 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 **12.2818, 0.2671, 0.1245**, and the grayscale version is **24.3735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1223, 0.3183, 0.5381**, and **22.1332, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.1623, 0.3073, 0.5942**, and if you desaturate by 10%, it is **45.6515, 0.3111, 0.5837**.

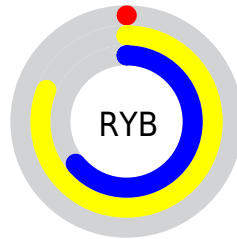
Distribution



Red (17%)

Green (81%)

Blue (0%)



Red (0%)

Yellow (81%)

Blue (64%)

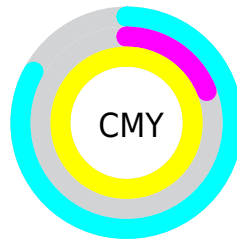


Cyan (79%)

Magenta (0%)

Yellow (100%)

Black (19%)



Cyan (83%)


Magenta (19%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1611, 0.3073, 0.5942 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 45.1611, 0.3073, 0.5942 by changing the saturation by 10% instead.


 45.1611, 0.3073,
0.5942


 45.1611, 0.3073,
0.5942


367.4256, 0.3232,
0.4531

 31.5843, 0.2981,
0.6286


 82.9621, 0.3169,
0.5427

 21.0442, 0.2832,
0.6704


 107.9551, 0.3193,
0.5232

 13.1563, 0.2616,
0.7282


 137.5224, 0.3209,
0.5068

 7.5363, 0.2196,
0.7804

 172.0482, 0.3219,
0.4928

 3.7997, 0.1557,
0.8443

 211.9171, 0.3225,
0.4808

 1.5622, 0.0000,
1.0000


 257.5134, 0.3229,


 0.3319, 0.0000,


0.4703


1.0000


309.2214, 0.3231,
0.4612


 0.0000, 0.0000,
0.0000


 45.1611, 0.3073,
0.5942


 45.1611, 0.3073,
0.5942


 45.1623, 0.3073,
0.5942

 45.6515, 0.3111,
0.5837

 46.3534, 0.3147,
0.5664

 47.3010, 0.3175,
0.5421

 48.5161, 0.3192,
0.5126

 50.0182, 0.3198,
0.4799

■ 51.8248, 0.3195,
0.4463

■ 53.9519, 0.3184,
0.4135

■ 56.4144, 0.3168,
0.3826

■ 59.2261, 0.3149,
0.3543

Harmonies

Analogous

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



45.1611, 0.4238, 0.5468



45.1611, 0.3073, 0.5942



45.1611, 0.1976, 0.4973

Triad

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



45.1611, 0.3073, 0.5942



45.1611, 0.1180, 0.1542



45.1611, 0.5336, 0.2852

Complementary

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



45.1611, 0.3073, 0.5942



12.2818, 0.2671, 0.1245

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.



45.1611, 0.4032, 0.2161



45.1611, 0.3073, 0.5942



45.1611, 0.1669, 0.1451

Square

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



45.1611, 0.3073, 0.5942



45.1611, 0.1046, 0.2043



45.1611, 0.2624, 0.1665



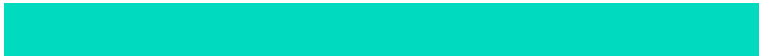
45.1611, 0.5752, 0.3624

Rectangle

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



45.1611, 0.3073, 0.5942



45.1611, 0.1448, 0.3771



45.1611, 0.2624, 0.1665



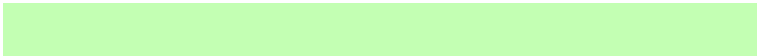
45.1611, 0.4971, 0.2609

Sweetspot

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



45.1630, 0.3073, 0.5942



86.3299, 0.3185, 0.4147



39.1608, 0.4640, 0.4698



18.1548, 0.3190, 0.4285



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.



45.1630, 0.3073, 0.5942



72.3135, 0.3067, 0.5947



44.9372, 0.2902, 0.5647



13.3259, 0.3147, 0.3528



28.4887, 0.3080, 0.5936



1.6282, 0.3207, 0.5835

Inverse Universe

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



12.2818, 0.2671, 0.1245



19.5917, 0.2664, 0.1241



15.4153, 0.4092, 0.2028



11.8767, 0.3104, 0.3059



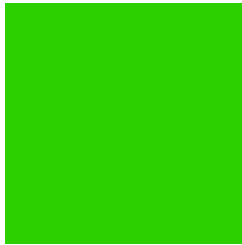
7.7796, 0.2679, 0.1249



0.4675, 0.2781, 0.1306

Previews

White Background



This preview shows how the Yxy color 45.1611, 0.3073, 0.5942 looks on a white background.

Color Contrast Check

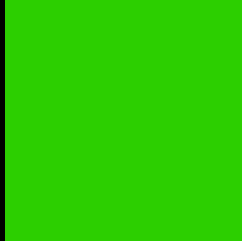
Large Text (above 18pt) WCAG AA × Fail

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 45.1611, 0.3073, 0.5942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

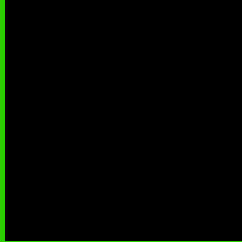
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1611, 0.3073, 0.5942

Background



This preview shows how black text looks on a background with the Yxy color 45.1611, 0.3073, 0.5942.



This preview shows how white text looks on a background with the Yxy color 45.1611, 0.3073, 0.5942.

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

45.1611, 0.3073, 0.5942

Protanopia

44.1201, 0.4402, 0.4887

Deuteranopia

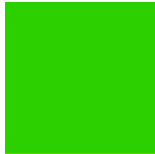
44.2534, 0.4602, 0.4516



Tritanopia

44.6862, 0.2393, 0.3059

Trichromacy



Original Color

45.1611, 0.3073, 0.5942



Protanomaly

42.2348, 0.3768, 0.5390



Deuteranomaly

41.2248, 0.3909, 0.5156



Tritanomaly

43.1762, 0.2744, 0.4357

Monochromacy



Original Color

45.1611, 0.3073, 0.5942



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.9864, 0.3198, 0.4657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1611, 0.3073, 0.5942 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(44, 207, 0)` looks like.

```
.text, #text, p{  
    color:rgb(44, 207, 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(44, 207, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 207, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.1611, 0.3073, 0.5942 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(44, 207, 0) }
```

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

```
.border{ border-color:rgb(44, 207, 0) }
```

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

Here you see how a box with a 4 pixel rgb(44, 207, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 207, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 207, 0);  
box-shadow:4px 4px 4px 4px rgb(44, 207, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 45.1611, 0.3073, 0.5942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 207, 0) }
```

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

```
.background{ background-color: rgb(44, 207,  
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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