

Converting Colors

Yxy(49.4350, 0.3152, 0.5879)

Have a look what the booklet for
Yxy(49.4350, 0.3152, 0.5879)
contains.

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Color

Yxy(49.3221, 0.3151, 0.5880)

Conversions

Conversions Part 1

Format	Color
Hex	44D600
RGB	68, 214, 0
RGB Percent	27%, 84%, 0%
CMY	0.7333, 0.1608, 0.9998
CMYK	0.68, 0.00, 1.00, 0.16
HSL	101°, 100%, 42%
HSV	101°, 100%, 84%
XYZ	26.4309, 49.3221, 8.1281
YIQ	145.9500, -18.3220, -97.5060

Conversions

Conversions Part 2

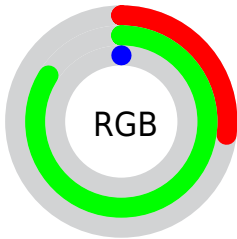
Format	Color
RYB	0, 214, 146
Decimal	4511232
CIELab	75.65, -68.69, 73.81
CIElCh	76, 100.826, 132.943
Yxy	49.3221, 0.3151, 0.5880
Android (android.graphics.Color)	4282701312 (0xFF44D600)
YUV	145.9500, -71.9534, -68.3621
Hunter-Lab	70.2297, -55.7235, 42.2988

Details

The Yxy color **49.3221, 0.3151, 0.5880** 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 **10.9730, 0.2414, 0.1103**, and the grayscale version is **29.0340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3943, 0.3260, 0.5311**, and **24.4537, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **49.3225, 0.3151, 0.5880**, and if you desaturate by 10%, it is **49.9721, 0.3201, 0.5770**.

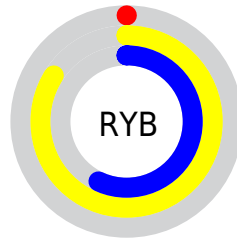
Distribution



Red (27%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (57%)

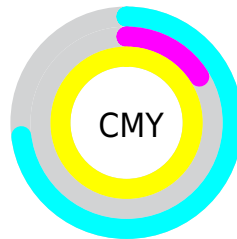


Cyan (68%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (73%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3221, 0.3151, 0.5880 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 49.3221, 0.3151, 0.5880 by changing the saturation by 10% instead.

 49.3221, 0.3151,
0.5880

 49.3221, 0.3151,
0.5880


384.0090, 0.3268,
0.4529


 34.8751, 0.3072,
0.6201


 89.1697, 0.3230,
0.5394


 23.5666, 0.2944,
0.6588


 115.3390, 0.3248,
0.5208

 15.0125, 0.2748,
0.7090


 146.1845, 0.3260,
0.5050

 8.8281, 0.2391,
0.7609

 182.0906, 0.3266,
0.4916

 4.6293, 0.1828,
0.8172

 223.4417, 0.3269,
0.4799

 2.0314, 0.0000,
1.0000

 270.6222, 0.3270,

 0.6256, 0.0000,

0.4697

1.0000

324.0165, 0.3270,
0.4608

■ 0.0000, 0.0000,
0.0000

■ 49.3221, 0.3151,
0.5880

■ 49.3221, 0.3151,
0.5880

■ 49.3225, 0.3151,
0.5880

■ 49.9721, 0.3201,
0.5770

■ 50.8214, 0.3242,
0.5598

■ 51.9009, 0.3269,
0.5363

■ 53.2291, 0.3280,
0.5079

■ 54.8227, 0.3277,
0.4766

■ 56.6967, 0.3260,
0.4442

■ 58.8646, 0.3234,
0.4123

■ 61.3394, 0.3202,
0.3821

■ 64.1328, 0.3165,
0.3542

Harmonies

Analogous

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



49.3221, 0.4293, 0.5389



49.3221, 0.3151, 0.5880



49.3221, 0.2058, 0.5011

Triad

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



49.3221, 0.3151, 0.5880



49.3221, 0.1195, 0.1588



49.3221, 0.5234, 0.2828

Complementary

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



49.3221, 0.3151, 0.5880



10.9730, 0.2414, 0.1103

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.



49.3221, 0.3934, 0.2150



49.3221, 0.3151, 0.5880



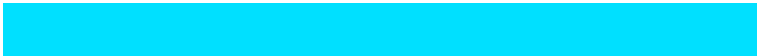
49.3221, 0.1659, 0.1478

Square

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



49.3221, 0.3151, 0.5880



49.3221, 0.1081, 0.2116



49.3221, 0.2573, 0.1673



49.3221, 0.5704, 0.3590

Rectangle

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



49.3221, 0.3151, 0.5880



49.3221, 0.1517, 0.3857



49.3221, 0.2573, 0.1673



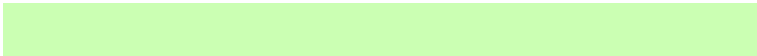
49.3221, 0.4861, 0.2588

Sweetspot

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



49.3242, 0.3151, 0.5880



87.4222, 0.3235, 0.4134



33.8486, 0.4941, 0.4459



18.4078, 0.3247, 0.4268



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.



49.3242, 0.3151, 0.5880



73.2686, 0.3145, 0.5885



48.2210, 0.2962, 0.5862



14.0854, 0.3163, 0.3528



29.8606, 0.3160, 0.5873



1.8448, 0.3295, 0.5766

Inverse Universe

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



10.9730, 0.2414, 0.1103



16.2206, 0.2406, 0.1099



17.5263, 0.3686, 0.1804



12.4258, 0.3088, 0.3057



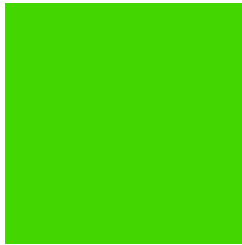
6.6882, 0.2425, 0.1110



0.4468, 0.2564, 0.1186

Previews

White Background



This preview shows how the Yxy color 49.3221, 0.3151, 0.5880 looks on a white background.

Color Contrast Check

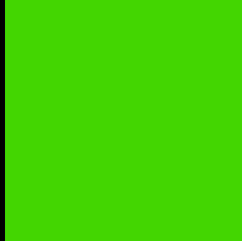
Large Text (above 18pt) WCAG AA × Fail

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 49.3221, 0.3151, 0.5880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

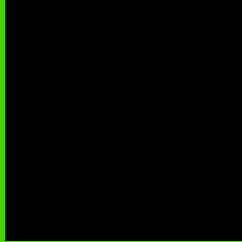
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3221, 0.3151, 0.5880

Background



This preview shows how black text looks on a background with the Yxy color 49.3221, 0.3151, 0.5880.



This preview shows how white text looks on a background with the Yxy color 49.3221, 0.3151, 0.5880.

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

49.3221, 0.3151, 0.5880

Protanopia

48.2532, 0.4412, 0.4878

Deuteranopia

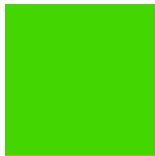
48.0052, 0.4620, 0.4518



Tritanopia

49.0044, 0.2442, 0.3069

Trichromacy



Original Color

49.3221, 0.3151, 0.5880



Protanomaly

46.7490, 0.3853, 0.5323



Deuteranomaly

45.2546, 0.3994, 0.5101



Tritanomaly

47.3716, 0.2811, 0.4335

Monochromacy



Original Color

49.3221, 0.3151, 0.5880



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

33.7677, 0.3272, 0.4601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3221, 0.3151, 0.5880 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(68, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(68, 214, 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(68, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 214, 0) }
```

Border

The CSS property to change the border of an element to Yxy 49.3221, 0.3151, 0.5880 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(68, 214, 0) }
```

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

```
.border{ border-color:rgb(68, 214, 0) }
```

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

Here you see how a box with a 4 pixel rgb(68, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(68, 214, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 49.3221, 0.3151, 0.5880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 214, 0) }
```

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

```
.background{ background-color: rgb(68, 214,  
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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