

Converting Colors

$Y_{xy}(56.3395, 0.3154, 0.5878)$

Have a look what the booklet for
Yxy(56.3395, 0.3154, 0.5878)
contains.

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Color

Yxy(56.3546, 0.3152, 0.5879)

Conversions

Conversions Part 1

Format	Color
Hex	49E300
RGB	73, 227, 0
RGB Percent	29%, 89%, 0%
CMY	0.7139, 0.1098, 0.9994
CMYK	0.68, 0.00, 1.00, 0.11
HSL	101°, 100%, 45%
HSV	101°, 100%, 89%
XYZ	30.2143, 56.3546, 9.2886
YIQ	155.0760, -18.9170, -103.2450

Conversions

Conversions Part 2

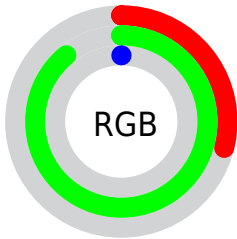
Format	Color
RYB	0, 227, 154
Decimal	4842240
CIELab	79.82, -71.76, 77.16
CIELCh	80, 105.366, 132.923
Yxy	56.3546, 0.3152, 0.5879
Android (android.graphics.Color)	4283032320 (0xFF49E300)
YUV	155.0760, -76.4525, -71.9807
Hunter-Lab	75.0697, -59.5288, 45.2127

Details

The Yxy color **56.3546, 0.3152, 0.5879** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **12.4408, 0.2403, 0.1098**, and the grayscale version is **33.1679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9589, 0.3284, 0.5264**, and **28.7495, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.3526, 0.3152, 0.5880**, and if you desaturate by 10%, it is **57.0960, 0.3202, 0.5771**.

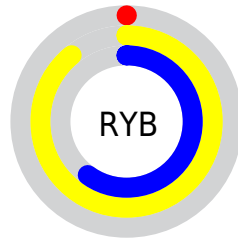
Distribution



Red (29%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (60%)

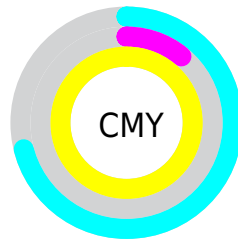


Cyan (68%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (71%)


Magenta (11%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3546, 0.3152, 0.5879 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 56.3546, 0.3152, 0.5879 by changing the saturation by 10% instead.


 56.3546, 0.3152,
0.5879

 56.3546, 0.3152,
0.5879


411.0265, 0.3270,
0.4559


 40.4873, 0.3078,
0.6184

 99.5229, 0.3228,
0.5411

 27.9187, 0.2959,
0.6550


 127.5926, 0.3247,
0.5230

 18.2644, 0.2772,
0.6994


 160.4986, 0.3259,
0.5075

 11.1400, 0.2472,
0.7528

 198.6253, 0.3266,
0.4943

 6.1611, 0.1970,
0.8030

 242.3570, 0.3269,
0.4827

 2.9433, 0.1017,
0.8983

 292.0782, 0.3271,

 1.1022, 0.0000,

0.4726

1.0000

348.1732, 0.3271,
0.4638

■ 0.0000, 0.0000,
0.0000

■ 56.3546, 0.3152,
0.5879

■ 56.3546, 0.3152,
0.5879

■ 56.3526, 0.3152,
0.5880

■ 57.0960, 0.3202,
0.5771

■ 58.0659, 0.3245,
0.5601

■ 59.2985, 0.3272,
0.5366

■ 60.8156, 0.3283,
0.5082

■ 62.6361, 0.3279,
0.4769

■ 64.7772, 0.3262,
0.4444

■ 67.2545, 0.3236,
0.4125

■ 70.0828, 0.3203,
0.3822

■ 73.2757, 0.3166,
0.3542

Harmonies

Analogous

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



56.3546, 0.4294, 0.5388



56.3546, 0.3152, 0.5879



56.3546, 0.2059, 0.5012

Triad

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



56.3546, 0.3152, 0.5879



56.3546, 0.1196, 0.1589



56.3546, 0.5232, 0.2828

Complementary

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



56.3546, 0.3152, 0.5879



12.4408, 0.2403, 0.1098

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.



56.3546, 0.3932, 0.2150



56.3546, 0.3152, 0.5879



56.3546, 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.



56.3546, 0.3152, 0.5879



56.3546, 0.1082, 0.2117



56.3546, 0.2572, 0.1674



56.3546, 0.5703, 0.3589

Rectangle

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



56.3546, 0.3152, 0.5879



56.3546, 0.1518, 0.3858



56.3546, 0.2572, 0.1674



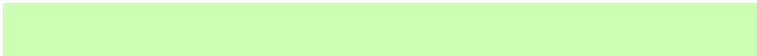
56.3546, 0.4860, 0.2588

Sweetspot

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



56.3570, 0.3152, 0.5879



87.4577, 0.3237, 0.4133



38.5911, 0.4944, 0.4456



18.4160, 0.3249, 0.4267



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.



56.3570, 0.3152, 0.5879



73.3060, 0.3148, 0.5883



55.0829, 0.2963, 0.5866



16.3125, 0.3164, 0.3530



32.9182, 0.3161, 0.5872



2.4811, 0.3272, 0.5784

Inverse Universe

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



12.4408, 0.2403, 0.1098



16.1242, 0.2398, 0.1095



20.0182, 0.3688, 0.1805



14.3713, 0.3087, 0.3055



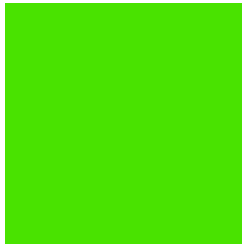
7.3155, 0.2415, 0.1104



0.5900, 0.2533, 0.1169

Previews

White Background



This preview shows how the Yxy color 56.3546, 0.3152, 0.5879 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 56.3546, 0.3152, 0.5879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

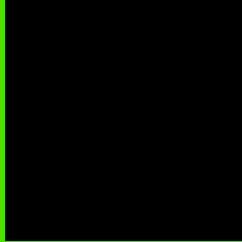
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

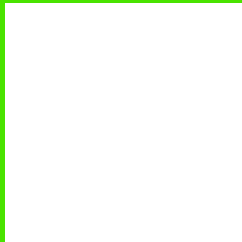
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.3546, 0.3152, 0.5879

Background



This preview shows how black text looks on a background with the Yxy color 56.3546, 0.3152, 0.5879.



This preview shows how white text looks on a background with the Yxy color 56.3546, 0.3152, 0.5879.

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

56.3546, 0.3152, 0.5879

Protanopia

55.3047, 0.4400, 0.4888

Deuteranopia

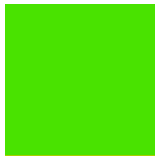
55.1054, 0.4627, 0.4516



Tritanopia

55.9719, 0.2446, 0.3068

Trichromacy



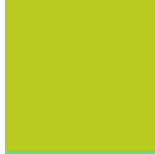
Original Color

56.3546, 0.3152, 0.5879



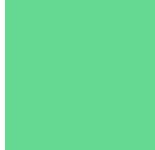
Protanomaly

53.3272, 0.3846, 0.5328



Deuteranomaly

52.0626, 0.4004, 0.5097



Tritanomaly

54.4367, 0.2820, 0.4349

Monochromacy



Original Color

56.3546, 0.3152, 0.5879



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

38.3086, 0.3269, 0.4599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3546, 0.3152, 0.5879 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(73, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 227, 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(73, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 227, 0) }
```

Border

The CSS property to change the border of an element to Yxy 56.3546, 0.3152, 0.5879 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(73, 227, 0) }
```

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

```
.border{ border-color:rgb(73, 227, 0) }
```

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

Here you see how a box with a 4 pixel rgb(73, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(73, 227, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 56.3546, 0.3152, 0.5879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 227, 0) }
```

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

```
.background{ background-color: rgb(73, 227,  
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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