

Converting Colors

Yxy(56.8942, 0.3840, 0.5333)

Have a look what the booklet for
Yxy(56.8942, 0.3840, 0.5333)
contains.

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Color

Yxy(56.7511, 0.3839, 0.5334)

Conversions

Conversions Part 1

Format	Color
Hex	ABD600
RGB	171, 214, 0
RGB Percent	67%, 84%, 0%
CMY	0.3293, 0.1608, 1.0000
CMYK	0.20, 0.00, 1.00, 0.16
HSL	72°, 100%, 42%
HSV	72°, 100%, 84%
XYZ	40.8450, 56.7511, 8.7989
YIQ	176.7470, 43.0660, -75.6700

Conversions

Conversions Part 2

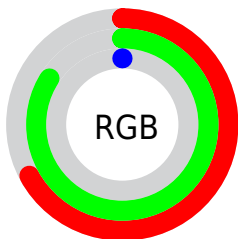
Format	Color
RYB	0, 214, 43
Decimal	11261440
CIELab	80.04, -36.65, 79.12
CIELCh	80, 87.194, 114.854
Yxy	56.7511, 0.3839, 0.5334
Android (android.graphics.Color)	4289451520 (0xFFABD600)
YUV	176.7470, -87.1363, -5.0401
Hunter-Lab	75.3333, -35.0522, 45.8083

Details

The Yxy color **56.7511, 0.3839, 0.5334** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **5.3681, 0.1593, 0.0651**, and the grayscale version is **44.2798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0149, 0.3863, 0.4908**, and **28.3070, 0.3696, 0.5447** is the 20% darker color. If you saturate the color by 10%, you get **56.7538, 0.3839, 0.5334**, and if you desaturate by 10%, it is **57.3000, 0.3854, 0.5266**.

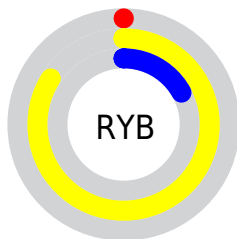
Distribution



Red (67%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (17%)

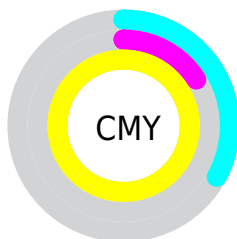


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (33%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7511, 0.3839, 0.5334 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 56.7511, 0.3839, 0.5334 by changing the saturation by 10% instead.


 56.7511, 0.3839,
0.5334


 56.7511, 0.3839,
0.5334


412.5160, 0.3605,
0.4364

 40.8054, 0.3851,
0.5536

 100.1019, 0.3788,
0.5007

 28.1671, 0.3841,
0.5768


 128.2759, 0.3759,
0.4876

 18.4517, 0.3797,
0.6040

 161.2947, 0.3729,
0.4762

 11.2747, 0.3672,
0.6328

 199.5428, 0.3701,
0.4662

 6.2519, 0.3400,
0.6600

 243.4046, 0.3675,
0.4574

 2.9989, 0.2977,
0.7023

 293.2645, 0.3650,

 1.1311, 0.1251,

0.4496

0.8749

349.5068, 0.3626,
0.4426

■ 0.0044, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7511, 0.3839,
0.5334

■ 56.7511, 0.3839,
0.5334

■ 56.7538, 0.3839,
0.5334

■ 57.3000, 0.3854,
0.5266

■ 57.9237, 0.3848,
0.5158

■ 58.6456, 0.3816,
0.5003

■ 59.4772, 0.3758,
0.4807

■ 60.4280, 0.3679,
0.4578

■ 61.5067, 0.3583,
0.4325

■ 62.7210, 0.3474,
0.4062

■ 64.0777, 0.3359,
0.3796

■ 65.5834, 0.3243,
0.3537

Harmonies

Analogous

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



56.7511, 0.4737, 0.4712



56.7511, 0.3839, 0.5334



56.7511, 0.2826, 0.5242

Triad

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



56.7511, 0.3839, 0.5334



56.7511, 0.1335, 0.2069



56.7511, 0.4278, 0.2542

Complementary

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



56.7511, 0.3839, 0.5334



5.3681, 0.1593, 0.0651

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.



56.7511, 0.3099, 0.2024



56.7511, 0.3839, 0.5334



56.7511, 0.1560, 0.1738

Square

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



56.7511, 0.3839, 0.5334



56.7511, 0.1443, 0.2868



56.7511, 0.2136, 0.1742



56.7511, 0.5148, 0.3205

Rectangle

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



56.7511, 0.3839, 0.5334



56.7511, 0.2206, 0.4589



56.7511, 0.2136, 0.1742



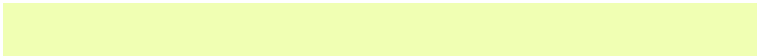
56.7511, 0.3888, 0.2348

Sweetspot

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



56.7538, 0.3839, 0.5334



93.2164, 0.3478, 0.4070



16.0093, 0.6190, 0.3467



19.7827, 0.3525, 0.4183



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.



56.7538, 0.3839, 0.5334



84.3281, 0.3835, 0.5337



49.1897, 0.3135, 0.5892



14.3882, 0.3236, 0.3522



34.3488, 0.3844, 0.5330



2.1045, 0.3908, 0.5279

Inverse Universe

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



5.3681, 0.1593, 0.0651



7.9292, 0.1586, 0.0647



11.3201, 0.2456, 0.1126



12.1276, 0.3012, 0.3051



3.2799, 0.1603, 0.0657



0.2332, 0.1768, 0.0747

Previews

White Background



This preview shows how the Yxy color 56.7511, 0.3839, 0.5334 looks on a white background.

Color Contrast Check

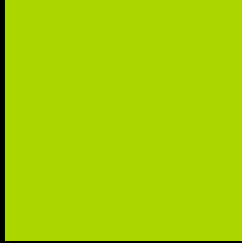
Large Text (above 18pt) WCAG AA × Fail

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 56.7511, 0.3839, 0.5334 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 56.7511, 0.3839, 0.5334

Background



This preview shows how black text looks on a background with the Yxy color 56.7511, 0.3839, 0.5334.



This preview shows how white text looks on a background with the Yxy color 56.7511, 0.3839, 0.5334.

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

56.7511, 0.3839, 0.5334

Protanopia

56.0761, 0.4408, 0.4882

Deuteranopia

56.2461, 0.4655, 0.4561



Tritanopia

56.5720, 0.2939, 0.3098

Trichromacy



Original Color

56.7511, 0.3839, 0.5334

Protanomaly

56.0231, 0.4193, 0.5053

Deuteranomaly

55.3706, 0.4372, 0.4847

Tritanomaly

54.9370, 0.3434, 0.4155

Monochromacy



Original Color

56.7511, 0.3839, 0.5334

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

47.1331, 0.3589, 0.4329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7511, 0.3839, 0.5334 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(171, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 214, 0) }
```

Border

The CSS property to change the border of an element to Yxy 56.7511, 0.3839, 0.5334 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(171, 214, 0) }
```

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

```
.border{ border-color:rgb(171, 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(171, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 214,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7511, 0.3839, 0.5334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 214, 0) }
```

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

```
.background{ background-color: rgb(171,  
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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