

Converting Colors

$Y_{xy}(56.2890, 0.3704, 0.5360)$

Have a look what the booklet for
Yxy(56.2890, 0.3704, 0.5360)
contains.

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Color

Yxy(56.0509, 0.3707, 0.5356)

Conversions

Conversions Part 1

Format	Color
Hex	9FD71B
RGB	159, 215, 27
RGB Percent	62%, 84%, 11%
CMY	0.3765, 0.1568, 0.8944
CMYK	0.26, 0.00, 0.87, 0.16
HSL	78°, 78%, 47%
HSV	78°, 87%, 84%
XYZ	38.7940, 56.0509, 9.8058
YIQ	176.8240, 26.9720, -70.3400

Conversions

Conversions Part 2

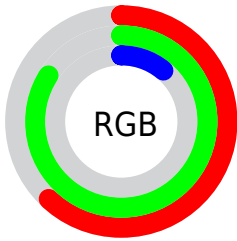
Format	Color
R _Y B	27, 215, 83
Decimal	10475291
CIE Lab	79.64, -41.36, 75.25
CIE LCh	80, 85.872, 118.795
Yxy	56.0509, 0.3707, 0.5356
Android (android.graphics.Color)	4288665371 (0xFF9FD71B)
YUV	176.8240, -73.8632, -15.6316
Hunter-Lab	74.8671, -38.5239, 44.6415

Details

The Yxy color **56.0509, 0.3707, 0.5356** 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 **7.5235, 0.1830, 0.0849**, and the grayscale version is **44.2496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2516, 0.3746, 0.4898**, and **27.9083, 0.3567, 0.5550** is the 20% darker color. If you saturate the color by 10%, you get **55.3487, 0.3680, 0.5447**, and if you desaturate by 10%, it is **56.8633, 0.3711, 0.5217**.

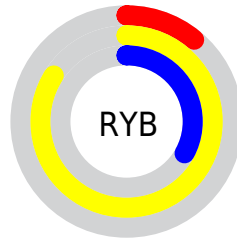
Distribution



Red (62%)

Green (84%)

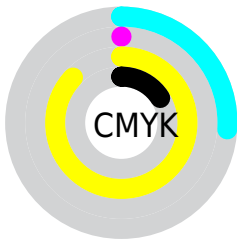
Blue (11%)



Red (11%)

Yellow (84%)

Blue (33%)

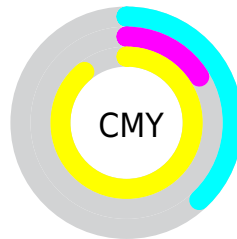


Cyan (26%)

Magenta (0%)

Yellow (87%)

Black (16%)



Cyan (38%)


Magenta (16%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.0509, 0.3707, 0.5356 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 56.0509, 0.3707, 0.5356 by changing the saturation by 10% instead.

 56.0509, 0.3707,
0.5356

 56.0509, 0.3707,
0.5356


409.8833, 0.3528,
0.4352


 40.2437, 0.3710,
0.5575


 99.0790, 0.3673,
0.5011


 27.7286, 0.3689,
0.5831


 127.0687, 0.3650,
0.4874


 18.1212, 0.3626,
0.6129


 159.8881, 0.3628,
0.4757

 11.0370, 0.3501,
0.6499

 197.9215, 0.3605,
0.4654

 6.0918, 0.3189,
0.6811

 241.5533, 0.3584,
0.4564

 2.9010, 0.2706,
0.7294

 291.1679, 0.3564,

 1.0802, 0.0045,

0.4485

0.9955

347.1498, 0.3545,
0.4415

■ 0.0000, 0.0000,
0.0000

■ 56.0509, 0.3707,
0.5356

■ 56.0509, 0.3707,
0.5356

■ 55.3487, 0.3680,
0.5447

■ 56.8633, 0.3711,
0.5217

■ 55.1813, 0.3671,
0.5467

■ 57.7937, 0.3689,
0.5031

■ 58.8562, 0.3643,
0.4806

■ 60.0605, 0.3576,
0.4551

■ 61.4154, 0.3494,
0.4281

■ 62.9286, 0.3401,
0.4005

■ 64.6076, 0.3302,
0.3734

■ 66.4589, 0.3202,
0.3474

■ 68.4889, 0.3102,
0.3230

Harmonies

Analogous

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



56.0509, 0.4623, 0.4801



56.0509, 0.3707, 0.5356



56.0509, 0.2703, 0.5124

Triad

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



56.0509, 0.3707, 0.5356



56.0509, 0.1360, 0.2015



56.0509, 0.4410, 0.2631

Complementary

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



56.0509, 0.3707, 0.5356



7.5235, 0.1830, 0.0849

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.



56.0509, 0.3249, 0.2090



56.0509, 0.3707, 0.5356



56.0509, 0.1627, 0.1734

Square

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



56.0509, 0.3707, 0.5356



56.0509, 0.1422, 0.2740



56.0509, 0.2249, 0.1776



56.0509, 0.5188, 0.3301

Rectangle

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



56.0509, 0.3707, 0.5356



56.0509, 0.2110, 0.4406



56.0509, 0.2249, 0.1776



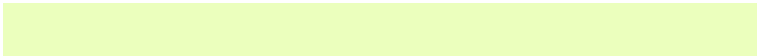
56.0509, 0.4035, 0.2431

Sweetspot

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



56.0534, 0.3707, 0.5356



92.8864, 0.3389, 0.3972



20.2958, 0.5686, 0.3709



19.7068, 0.3423, 0.4068



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.



56.0534, 0.3707, 0.5356



81.1098, 0.3667, 0.5471



49.9009, 0.3123, 0.5802



14.3257, 0.3221, 0.3524



33.0597, 0.3679, 0.5461



2.0360, 0.3771, 0.5388

Inverse Universe

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



7.5235, 0.1830, 0.0849



8.7544, 0.1683, 0.0701



14.7152, 0.2732, 0.1333



12.1862, 0.3027, 0.3052



3.6354, 0.1704, 0.0712



0.2619, 0.1893, 0.0817

Previews

White Background



This preview shows how the Yxy color 56.0509, 0.3707, 0.5356 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 56.0509, 0.3707, 0.5356 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 56.0509, 0.3707, 0.5356

Background



This preview shows how black text looks on a background with the Yxy color 56.0509, 0.3707, 0.5356.



This preview shows how white text looks on a background with the Yxy color 56.0509, 0.3707, 0.5356.

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

56.0509, 0.3707, 0.5356

Protanopia

55.5162, 0.4386, 0.4848

Deuteranopia

55.5200, 0.4621, 0.4529



Tritanopia

55.7314, 0.2854, 0.3094

Trichromacy



Original Color

56.0509, 0.3707, 0.5356

Protanomaly

55.3897, 0.4126, 0.5044

Deuteranomaly

54.5328, 0.4285, 0.4831

Tritanomaly

54.4272, 0.3273, 0.4058

Monochromacy



Original Color

56.0509, 0.3707, 0.5356

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

47.2128, 0.3475, 0.4237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0509, 0.3707, 0.5356 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(159, 215, 27)` looks like.

```
.text, #text, p{  
    color:rgb(159, 215, 27)  
}
```

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(159, 215, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 215, 27) }
```

Border

The CSS property to change the border of an element to Yxy 56.0509, 0.3707, 0.5356 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(159, 215, 27) }
```

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

```
.border{ border-color:rgb(159, 215, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 215, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 215, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 215, 27);  
box-shadow:4px 4px 4px 4px rgb(159, 215,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0509, 0.3707, 0.5356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 215, 27) }
```

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

```
.background{ background-color: rgb(159,  
215, 27) }
```

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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