

Converting Colors

$Y_{xy}(52.8389, 0.3873, 0.5307)$

Have a look what the booklet for
Yxy(52.8389, 0.3873, 0.5307)
contains.

Yxy(53.0607, 0.3870, 0.5309)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.0607, 0.3870, 0.5309)

Conversions

Conversions Part 1

Format	Color
Hex	A9CF00
RGB	169, 207, 0
RGB Percent	66%, 81%, 0%
CMY	0.3372, 0.1882, 0.9996
CMYK	0.18, 0.00, 1.00, 0.19
HSL	71°, 100%, 41%
HSV	71°, 100%, 81%
XYZ	38.6786, 53.0607, 8.2055
YIQ	172.0400, 43.7990, -72.4330

Conversions

Conversions Part 2

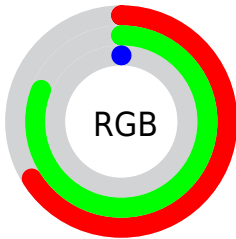
Format	Color
RYB	0, 207, 38
Decimal	11128576
CIELab	77.91, -34.27, 77.44
CIELCh	78, 84.680, 113.869
Yxy	53.0607, 0.3870, 0.5309
Android (android.graphics.Color)	4289318656 (0xFFA9CF00)
YUV	172.0400, -84.8157, -2.6661
Hunter-Lab	72.8428, -32.6935, 44.3111

Details

The Yxy color **53.0607, 0.3870, 0.5309** 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 **4.9210, 0.1581, 0.0645**, and the grayscale version is **41.7068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6541, 0.3856, 0.4929**, and **26.1620, 0.3722, 0.5426** is the 20% darker color. If you saturate the color by 10%, you get **53.0607, 0.3870, 0.5309**, and if you desaturate by 10%, it is **53.5428, 0.3881, 0.5243**.

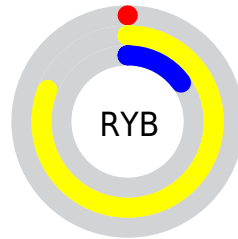
Distribution



Red (66%)

Green (81%)

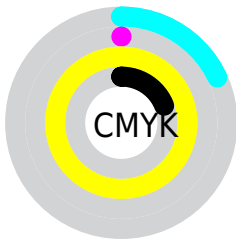
Blue (0%)



Red (0%)

Yellow (81%)

Blue (15%)

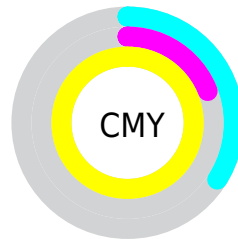


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (19%)



Cyan (34%)


Magenta (19%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0607, 0.3870, 0.5309 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 53.0607, 0.3870, 0.5309 by changing the saturation by 10% instead.


 53.0607, 0.3870,
0.5309


 53.0607, 0.3870,
0.5309


398.5180, 0.3615,
0.4343

 37.8512, 0.3886,
0.5511


 94.6937, 0.3812,
0.4983


 25.8672, 0.3880,
0.5743


 121.8860, 0.3780,
0.4852


 16.7244, 0.3845,
0.6025

 153.8413, 0.3748,
0.4738

 10.0382, 0.3707,
0.6293

 190.9442, 0.3718,
0.4638

 5.4243, 0.3430,
0.6570

 233.5788, 0.3689,
0.4551

 2.4983, 0.2990,
0.7010

 282.1298, 0.3663,

 0.8758, 0.0000,

0.4473

1.0000

336.9813, 0.3638,
0.4405

■ 0.0000, 0.0000,
0.0000

■ 53.0607, 0.3870,
0.5309

■ 53.5428, 0.3881,
0.5243

■ 54.0918, 0.3872,
0.5137

■ 54.7295, 0.3836,
0.4986

■ 55.4662, 0.3775,
0.4793

■ 56.3110, 0.3693,
0.4567

■ 57.2716, 0.3593,
0.4318

■ 58.3550, 0.3482,
0.4056

■ 59.5676, 0.3364,
0.3793

■ 60.9154, 0.3244,
0.3535

Harmonies

Analogous

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



53.0607, 0.4755, 0.4682



53.0607, 0.3870, 0.5309



53.0607, 0.2862, 0.5247

Triad

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



53.0607, 0.3870, 0.5309



53.0607, 0.1341, 0.2095



53.0607, 0.4234, 0.2527

Complementary

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



53.0607, 0.3870, 0.5309



4.9210, 0.1581, 0.0645

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.



53.0607, 0.3063, 0.2017



53.0607, 0.3870, 0.5309



53.0607, 0.1555, 0.1751

Square

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



53.0607, 0.3870, 0.5309



53.0607, 0.1462, 0.2907



53.0607, 0.2117, 0.1745



53.0607, 0.5117, 0.3184

Rectangle

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



53.0607, 0.3870, 0.5309



53.0607, 0.2240, 0.4620



53.0607, 0.2117, 0.1745



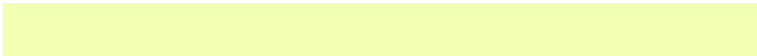
53.0607, 0.3845, 0.2335

Sweetspot

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



53.0631, 0.3870, 0.5309



93.4476, 0.3487, 0.4067



14.6542, 0.6215, 0.3446



19.8385, 0.3535, 0.4180



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.



53.0631, 0.3870, 0.5309



84.9573, 0.3866, 0.5312



45.7711, 0.3152, 0.5879



13.6834, 0.3238, 0.3522



33.4688, 0.3875, 0.5306



1.9006, 0.3936, 0.5257

Inverse Universe

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



4.9210, 0.1581, 0.0645



7.8199, 0.1573, 0.0640



10.2125, 0.2418, 0.1106



11.5206, 0.3010, 0.3052



3.1280, 0.1589, 0.0649



0.2070, 0.1757, 0.0742

Previews

White Background



This preview shows how the Yxy color 53.0607, 0.3870, 0.5309 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 53.0607, 0.3870, 0.5309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

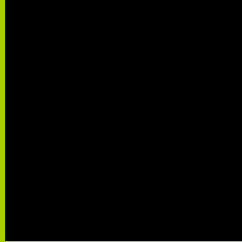
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.0607, 0.3870, 0.5309

Background



This preview shows how black text looks on a background with the Yxy color 53.0607, 0.3870, 0.5309.



This preview shows how white text looks on a background with the Yxy color 53.0607, 0.3870, 0.5309.

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

53.0607, 0.3870, 0.5309

Protanopia

52.8916, 0.4404, 0.4885

Deuteranopia

52.4667, 0.4660, 0.4555



Tritanopia

52.6924, 0.2963, 0.3093

Trichromacy



Original Color

53.0607, 0.3870, 0.5309

Protanomaly

52.6675, 0.4211, 0.5039

Deuteranomaly

51.7746, 0.4376, 0.4839

Tritanomaly

51.3017, 0.3472, 0.4146

Monochromacy



Original Color

53.0607, 0.3870, 0.5309

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

44.4600, 0.3601, 0.4339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0607, 0.3870, 0.5309 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(169, 207, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 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(169, 207, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 207, 0) }
```

Border

The CSS property to change the border of an element to Yxy 53.0607, 0.3870, 0.5309 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(169, 207, 0) }
```

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

```
.border{ border-color:rgb(169, 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(169, 207, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 207, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 207, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 207,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0607, 0.3870, 0.5309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 207, 0) }
```

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

```
.background{ background-color: rgb(169,  
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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