

Converting Colors

$Y_{xy}(51.8499, 0.3909, 0.5278)$

Have a look what the booklet for
Yxy(51.8499, 0.3909, 0.5278)
contains.

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Color

Yxy(51.8437, 0.3909, 0.5279)

Conversions

Conversions Part 1

Format	Color
Hex	ABCC00
RGB	171, 204, 0
RGB Percent	67%, 80%, 0%
CMY	0.3293, 0.2000, 1.0000
CMYK	0.16, 0.00, 1.00, 0.20
HSL	70°, 100%, 40%
HSV	70°, 100%, 80%
XYZ	38.3893, 51.8437, 7.9744
YIQ	170.8770, 45.8160, -70.4400

Conversions

Conversions Part 2

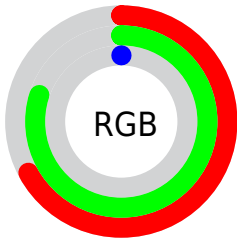
Format	Color
RYB	0, 204, 33
Decimal	11258880
CIELab	77.19, -32.07, 76.99
CIELCh	77, 83.404, 112.616
Yxy	51.8437, 0.3909, 0.5279
Android (android.graphics.Color)	4289448960 (0xFFABCC00)
YUV	170.8770, -84.2424, 0.1079
Hunter-Lab	72.0026, -30.8345, 43.8353

Details

The Yxy color **51.8437, 0.3909, 0.5279** 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 **4.6828, 0.1565, 0.0636**, and the grayscale version is **41.0772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9831, 0.3870, 0.4920**, and **25.3234, 0.3770, 0.5389** is the 20% darker color. If you saturate the color by 10%, you get **51.8467, 0.3909, 0.5278**, and if you desaturate by 10%, it is **52.2737, 0.3916, 0.5216**.

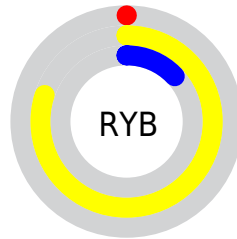
Distribution



Red (67%)

Green (80%)

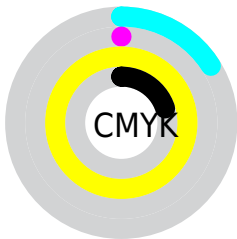
Blue (0%)



Red (0%)

Yellow (80%)

Blue (13%)

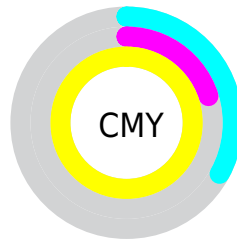


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (33%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8437, 0.3909, 0.5279 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 51.8437, 0.3909, 0.5279 by changing the saturation by 10% instead.


 51.8437, 0.3909,
0.5279

 51.8437, 0.3909,
0.5279

393.8329, 0.3633,
0.4329


 36.8805, 0.3930,
0.5477


 92.9007, 0.3843,
0.4958

 25.1150, 0.3929,
0.5703


 119.7633, 0.3808,
0.4830

 16.1627, 0.3905,
0.5982


 151.3611, 0.3774,
0.4718

 9.6394, 0.3769,
0.6231

 188.0786, 0.3741,
0.4620

 5.1605, 0.3502,
0.6498

 230.3001, 0.3711,
0.4533

 2.3418, 0.3074,
0.6926

 278.4101, 0.3683,

 0.7957, 0.0000,

0.4457

1.0000

332.7929, 0.3657,
0.4389

■ 0.0000, 0.0000,
0.0000

■ 51.8437, 0.3909,
0.5279

■ 51.8437, 0.3909,
0.5279

■ 51.8467, 0.3909,
0.5278

■ 52.2737, 0.3916,
0.5216

■ 52.7649, 0.3903,
0.5114

■ 53.3391, 0.3863,
0.4968

■ 54.0063, 0.3798,
0.4780

■ 54.7752, 0.3712,
0.4558

■ 55.6533, 0.3609,
0.4312

■ 56.6473, 0.3493,
0.4054

■ 57.7633, 0.3372,
0.3793

■ 59.0071, 0.3249,
0.3536

Harmonies

Analogous

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



51.8437, 0.4778, 0.4645



51.8437, 0.3909, 0.5279



51.8437, 0.2908, 0.5255

Triad

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



51.8437, 0.3909, 0.5279



51.8437, 0.1349, 0.2126



51.8437, 0.4179, 0.2507

Complementary

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



51.8437, 0.3909, 0.5279



4.6828, 0.1565, 0.0636

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.



51.8437, 0.3018, 0.2008



51.8437, 0.3909, 0.5279



51.8437, 0.1548, 0.1766

Square

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



51.8437, 0.3909, 0.5279



51.8437, 0.1484, 0.2957



51.8437, 0.2092, 0.1748



51.8437, 0.5079, 0.3158

Rectangle

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



51.8437, 0.3909, 0.5279



51.8437, 0.2283, 0.4658



51.8437, 0.2092, 0.1748



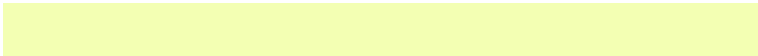
51.8437, 0.3791, 0.2319

Sweetspot

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



51.8467, 0.3909, 0.5278



93.7437, 0.3498, 0.4064



13.7969, 0.6267, 0.3406



19.9101, 0.3548, 0.4176



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.



51.8467, 0.3909, 0.5278



85.7818, 0.3905, 0.5281



44.5414, 0.3184, 0.5854



13.0013, 0.3241, 0.3521



32.6664, 0.3913, 0.5275



1.7104, 0.3971, 0.5229

Inverse Universe

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



4.6828, 0.1565, 0.0636



7.6961, 0.1558, 0.0632



9.3139, 0.2339, 0.1062



10.9297, 0.3007, 0.3052



2.9743, 0.1574, 0.0641



0.1815, 0.1739, 0.0732

Previews

White Background



This preview shows how the Yxy color 51.8437, 0.3909, 0.5279 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 51.8437, 0.3909, 0.5279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

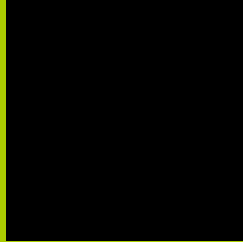
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.8437, 0.3909, 0.5279

Background



This preview shows how black text looks on a background with the Yxy color 51.8437, 0.3909, 0.5279.



This preview shows how white text looks on a background with the Yxy color 51.8437, 0.3909, 0.5279.

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

51.8437, 0.3909, 0.5279

Protanopia

51.7087, 0.4406, 0.4883

Deuteranopia

51.2952, 0.4666, 0.4553



Tritanopia

51.7995, 0.2992, 0.3105

Trichromacy



Original Color

51.8437, 0.3909, 0.5279

Protanomaly

51.6220, 0.4220, 0.5032

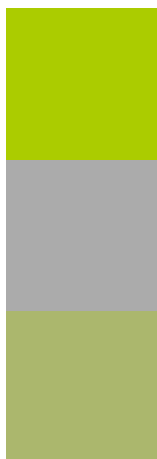
Deuteranomaly

50.9041, 0.4397, 0.4826

Tritanomaly

50.4657, 0.3501, 0.4147

Monochromacy



Original Color

51.8437, 0.3909, 0.5279

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

43.6290, 0.3610, 0.4316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8437, 0.3909, 0.5279 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, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 204, 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, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 51.8437, 0.3909, 0.5279 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, 204, 0) }
```

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

```
.border{ border-color:rgb(171, 204, 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, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8437, 0.3909, 0.5279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 204, 0) }
```

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

```
.background{ background-color: rgb(171,  
204, 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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