

Converting Colors

$Y_{xy}(52.2997, 0.3943, 0.5251)$

Have a look what the booklet for
Yxy(52.2997, 0.3943, 0.5251)
contains.

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Color

Yxy(52.2997, 0.3943, 0.5251)

Conversions

Conversions Part 1

Format	Color
Hex	AFCC00
RGB	175, 204, 0
RGB Percent	69%, 80%, 0%
CMY	0.3137, 0.2000, 0.9995
CMYK	0.14, 0.00, 1.00, 0.20
HSL	69°, 100%, 40%
HSV	69°, 100%, 80%
XYZ	39.2721, 52.2997, 8.0277
YIQ	172.0730, 48.2000, -69.5920

Conversions

Conversions Part 2

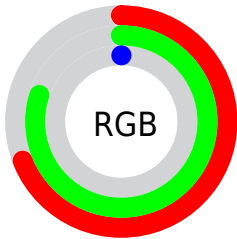
Format	Color
RYB	0, 204, 29
Decimal	11521024
CIELab	77.46, -30.44, 77.27
CIELCh	77, 83.052, 111.498
Yxy	52.2997, 0.3943, 0.5251
Android (android.graphics.Color)	4289711104 (0xFFAFCC00)
YUV	172.0730, -84.8320, 2.5670
Hunter-Lab	72.3185, -29.6242, 44.0415

Details

The Yxy color **52.2997, 0.3943, 0.5251** 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 **4.6255, 0.1553, 0.0630**, and the grayscale version is **41.7217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6525, 0.3898, 0.4902**, and **25.5946, 0.3815, 0.5353** is the 20% darker color. If you saturate the color by 10%, you get **52.2999, 0.3943, 0.5251**, and if you desaturate by 10%, it is **52.6937, 0.3947, 0.5191**.

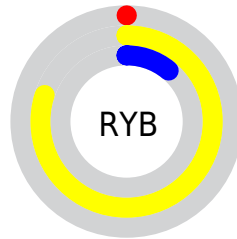
Distribution



Red (69%)

Green (80%)

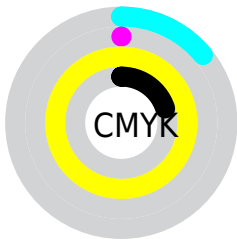
Blue (0%)



Red (0%)

Yellow (80%)

Blue (11%)

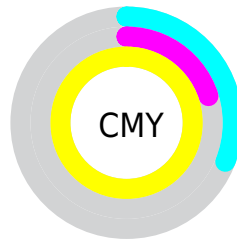


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (31%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2997, 0.3943, 0.5251 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 52.2997, 0.3943, 0.5251 by changing the saturation by 10% instead.


 52.2997, 0.3943,
0.5251


 52.2997, 0.3943,
0.5251

395.5925, 0.3650,
0.4320


 37.2440, 0.3968,
0.5443


 93.5731, 0.3871,
0.4938


 25.3965, 0.3974,
0.5661


 120.5596, 0.3833,
0.4812


 16.3727, 0.3956,
0.5929


 152.2918, 0.3797,
0.4703

 9.7883, 0.3832,
0.6168

 189.1541, 0.3763,
0.4606

 5.2588, 0.3583,
0.6417

 231.5310, 0.3731,
0.4522

 2.3999, 0.3182,
0.6818

 279.8067, 0.3702,

 0.8258, 0.0483,

0.4447

0.9517

334.3658, 0.3675,
0.4380

■ 0.0000, 0.0000,
0.0000

■ 52.2997, 0.3943,
0.5251

■ 52.2997, 0.3943,
0.5251

■ 52.2999, 0.3943,
0.5251

■ 52.6937, 0.3947,
0.5191

■ 53.1476, 0.3930,
0.5094

■ 53.6825, 0.3887,
0.4951

■ 54.3085, 0.3819,
0.4767

■ 55.0340, 0.3728,
0.4549

■ 55.8667, 0.3621,
0.4306

■ 56.8131, 0.3503,
0.4050

■ 57.8795, 0.3378,
0.3790

■ 59.0714, 0.3251,
0.3534

Harmonies

Analogous

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



52.2997, 0.4797, 0.4612



52.2997, 0.3943, 0.5251



52.2997, 0.2948, 0.5258

Triad

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



52.2997, 0.3943, 0.5251



52.2997, 0.1357, 0.2156



52.2997, 0.4130, 0.2490

Complementary

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



52.2997, 0.3943, 0.5251



4.6255, 0.1553, 0.0630

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.



52.2997, 0.2979, 0.2001



52.2997, 0.3943, 0.5251



52.2997, 0.1543, 0.1782

Square

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



52.2997, 0.3943, 0.5251



52.2997, 0.1506, 0.3002



52.2997, 0.2071, 0.1752



52.2997, 0.5044, 0.3135

Rectangle

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



52.2997, 0.3943, 0.5251



52.2997, 0.2321, 0.4690



52.2997, 0.2071, 0.1752



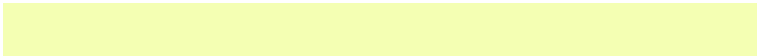
52.2997, 0.3743, 0.2305

Sweetspot

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



52.3021, 0.3943, 0.5251



94.0083, 0.3508, 0.4062



13.6362, 0.6288, 0.3389



19.9741, 0.3560, 0.4172



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.



52.3021, 0.3943, 0.5251



86.5366, 0.3940, 0.5254



44.6794, 0.3201, 0.5840



13.0127, 0.3244, 0.3520



32.9473, 0.3947, 0.5248



1.7224, 0.3998, 0.5208

Inverse Universe

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



4.6255, 0.1553, 0.0630



7.6001, 0.1547, 0.0626



9.0490, 0.2302, 0.1042



10.9193, 0.3004, 0.3052



2.9331, 0.1561, 0.0633



0.1767, 0.1712, 0.0717

Previews

White Background



This preview shows how the Yxy color 52.2997, 0.3943, 0.5251 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 52.2997, 0.3943, 0.5251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

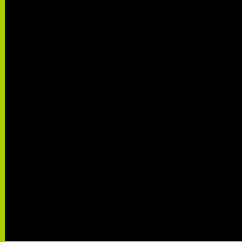
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.2997, 0.3943, 0.5251

Background



This preview shows how black text looks on a background with the Yxy color 52.2997, 0.3943, 0.5251.



This preview shows how white text looks on a background with the Yxy color 52.2997, 0.3943, 0.5251.

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

52.2997, 0.3943, 0.5251

Protanopia

51.7087, 0.4406, 0.4883

Deuteranopia

51.8699, 0.4667, 0.4559



Tritanopia

52.3111, 0.3024, 0.3106

Trichromacy



Original Color

52.2997, 0.3943, 0.5251

Protanomaly

51.7592, 0.4229, 0.5025

Deuteranomaly

51.2048, 0.4416, 0.4816

Tritanomaly

50.9562, 0.3536, 0.4137

Monochromacy



Original Color

52.2997, 0.3943, 0.5251

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

44.2693, 0.3624, 0.4321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2997, 0.3943, 0.5251 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(175, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 52.2997, 0.3943, 0.5251 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(175, 204, 0) }
```

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

```
.border{ border-color:rgb(175, 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(175, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2997, 0.3943, 0.5251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 204, 0) }
```

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

```
.background{ background-color: rgb(175,  
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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