

Converting Colors

Yxy(53.8933, 0.3835, 0.5211)

Have a look what the booklet for
Yxy(53.8933, 0.3835, 0.5211)
contains.

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Color

Yxy(53.8910, 0.3833, 0.5210)

Conversions

Conversions Part 1

Format	Color
Hex	ABD023
RGB	171, 208, 35
RGB Percent	67%, 82%, 14%
CMY	0.3296, 0.1843, 0.8629
CMYK	0.18, 0.00, 0.83, 0.18
HSL	73°, 71%, 48%
HSV	73°, 83%, 82%
XYZ	39.6476, 53.8910, 9.8990
YIQ	177.2150, 33.4810, -61.6470

Conversions

Conversions Part 2

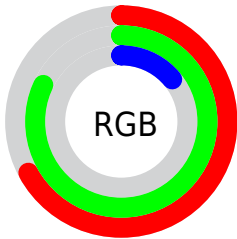
Format	Color
RYB	35, 208, 72
Decimal	11259939
CIELab	78.40, -33.30, 72.82
CIELCh	78, 80.076, 114.571
Yxy	53.8910, 0.3833, 0.5210
Android (android.graphics.Color)	4289450019 (0xFFABD023)
YUV	177.2150, -70.1120, -5.4506
Hunter-Lab	73.4105, -32.0638, 43.3924

Details

The Yxy color **53.8910, 0.3833, 0.5210** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **7.1330, 0.1786, 0.0869**, and the grayscale version is **44.4442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2248, 0.3819, 0.4826**, and **26.6886, 0.3747, 0.5407** is the 20% darker color. If you saturate the color by 10%, you get **53.3128, 0.3829, 0.5306**, and if you desaturate by 10%, it is **54.5640, 0.3811, 0.5067**.

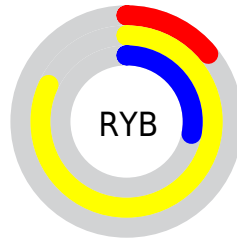
Distribution



Red (67%)

Green (82%)

Blue (14%)



Red (14%)

Yellow (82%)

Blue (28%)

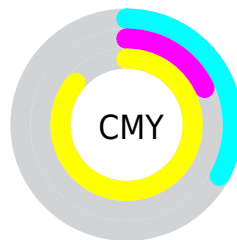


Cyan (18%)

Magenta (0%)

Yellow (83%)

Black (18%)



Cyan (33%)


Magenta (18%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.8910, 0.3833, 0.5210 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 53.8910, 0.3833, 0.5210 by changing the saturation by 10% instead.


 53.8910, 0.3833,
0.5210

 53.8910, 0.3833,
0.5210


401.6942, 0.3580,
0.4283


 38.5145, 0.3856,
0.5410


 95.9142, 0.3770,
0.4893


 26.3823, 0.3860,
0.5643


 123.3297, 0.3738,
0.4767

 17.1098, 0.3830,
0.5913


 155.5270, 0.3707,
0.4658

 10.3128, 0.3751,
0.6249

 192.8905, 0.3678,
0.4563

 5.6069, 0.3488,
0.6512

 235.8045, 0.3650,
0.4480

 2.6075, 0.3071,
0.6929

 284.6536, 0.3625,

 0.9305, 0.0707,

0.4406

0.9293

339.8220, 0.3602,
0.4341

■ 0.0000, 0.0000,
0.0000

■ 53.8910, 0.3833,
0.5210

■ 53.8910, 0.3833,
0.5210

■ 53.3128, 0.3829,
0.5306

■ 54.5640, 0.3811,
0.5067

■ 52.9555, 0.3816,
0.5352

■ 55.3360, 0.3764,
0.4880

■ 56.2188, 0.3693,
0.4658

■ 57.2209, 0.3604,
0.4410

■ 58.3496, 0.3502,
0.4147

■ 59.6115, 0.3391,
0.3881

■ 61.0130, 0.3277,
0.3618

■ 62.5599, 0.3163,
0.3367

■ 64.2574, 0.3052,
0.3131

Harmonies

Analogous

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



53.8910, 0.4674, 0.4653



53.8910, 0.3833, 0.5210



53.8910, 0.2870, 0.5101

Triad

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



53.8910, 0.3833, 0.5210



53.8910, 0.1420, 0.2149



53.8910, 0.4197, 0.2581

Complementary

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



53.8910, 0.3833, 0.5210



7.1330, 0.1786, 0.0869

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.



53.8910, 0.3096, 0.2085



53.8910, 0.3833, 0.5210



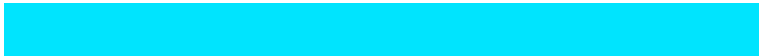
53.8910, 0.1634, 0.1819

Square

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



53.8910, 0.3833, 0.5210



53.8910, 0.1534, 0.2916



53.8910, 0.2186, 0.1816



53.8910, 0.5016, 0.3220

Rectangle

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



53.8910, 0.3833, 0.5210



53.8910, 0.2277, 0.4504



53.8910, 0.2186, 0.1816



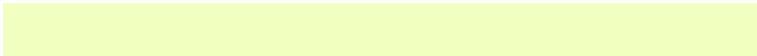
53.8910, 0.3833, 0.2395

Sweetspot

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



53.8934, 0.3833, 0.5210



94.0553, 0.3415, 0.3936



17.8603, 0.5711, 0.3581



19.9777, 0.3454, 0.4031



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.



53.8934, 0.3833, 0.5210



83.8553, 0.3812, 0.5355



47.2599, 0.3214, 0.5671



13.6646, 0.3233, 0.3522



33.0433, 0.3822, 0.5347



1.8802, 0.3894, 0.5291

Inverse Universe

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



7.1330, 0.1786, 0.0869



8.0208, 0.1597, 0.0653



12.8325, 0.2588, 0.1292



11.5379, 0.3015, 0.3052



3.2140, 0.1615, 0.0664



0.2151, 0.1797, 0.0764

Previews

White Background



This preview shows how the Yxy color 53.8910, 0.3833, 0.5210 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 53.8910, 0.3833, 0.5210 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 53.8910, 0.3833, 0.5210

Background



This preview shows how black text looks on a background with the Yxy color 53.8910, 0.3833, 0.5210.



This preview shows how white text looks on a background with the Yxy color 53.8910, 0.3833, 0.5210.

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

53.8910, 0.3833, 0.5210

Protanopia

53.5879, 0.4360, 0.4822

Deuteranopia

53.5574, 0.4609, 0.4517



Tritanopia

53.8784, 0.2972, 0.3107

Trichromacy



Original Color

53.8910, 0.3833, 0.5210

Protanomaly

53.3686, 0.4167, 0.4967

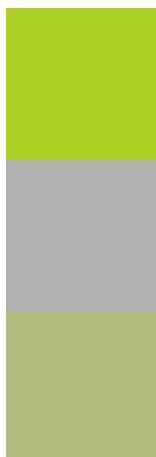
Deuteranomaly

53.0735, 0.4325, 0.4768

Tritanomaly

52.8673, 0.3381, 0.3981

Monochromacy



Original Color

53.8910, 0.3833, 0.5210

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

46.5611, 0.3507, 0.4148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8910, 0.3833, 0.5210 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, 208, 35)` looks like.

```
.text, #text, p{  
    color:rgb(171, 208, 35)  
}
```

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, 208, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 208, 35) }
```

Border

The CSS property to change the border of an element to Yxy 53.8910, 0.3833, 0.5210 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, 208, 35) }
```

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

```
.border{ border-color:rgb(171, 208, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 208, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 208, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 208, 35);  
box-shadow:4px 4px 4px 4px rgb(171, 208,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8910, 0.3833, 0.5210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 208, 35) }
```

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

```
.background{ background-color: rgb(171,  
208, 35) }
```

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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