

Converting Colors

Yxy(53.9857, 0.3807, 0.5359)

Have a look what the booklet for
Yxy(53.9857, 0.3807, 0.5359)
contains.

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Color

Yxy(53.9857, 0.3807, 0.5359)

Conversions

Conversions Part 1

Format	Color
Hex	A4D200
RGB	164, 210, 0
RGB Percent	64%, 82%, 0%
CMY	0.3570, 0.1764, 0.9995
CMYK	0.22, 0.00, 1.00, 0.18
HSL	73°, 100%, 41%
HSV	73°, 100%, 82%
XYZ	38.3511, 53.9857, 8.4016
YIQ	172.3060, 39.9940, -75.0620

Conversions

Conversions Part 2

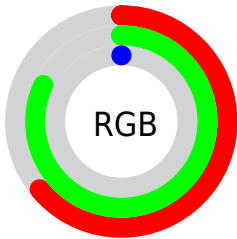
Format	Color
RYB	0, 210, 46
Decimal	10801664
CIELab	78.45, -37.65, 77.70
CIELCh	78, 86.347, 115.853
Yxy	53.9857, 0.3807, 0.5359
Android (android.graphics.Color)	4288991744 (0xFFA4D200)
YUV	172.3060, -84.9469, -7.2844
Hunter-Lab	73.4750, -35.4111, 44.6529

Details

The Yxy color **53.9857, 0.3807, 0.5359** 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 **5.2410, 0.1610, 0.0661**, and the grayscale version is **41.8469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8639, 0.3818, 0.4945**, and **26.5069, 0.3653, 0.5481** is the 20% darker color. If you saturate the color by 10%, you get **53.9851, 0.3807, 0.5359**, and if you desaturate by 10%, it is **54.5415, 0.3825, 0.5287**.

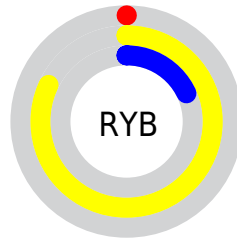
Distribution



Red (64%)

Green (82%)

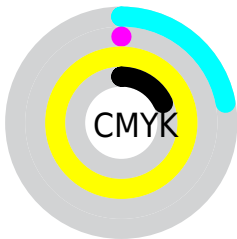
Blue (0%)



Red (0%)

Yellow (82%)

Blue (18%)

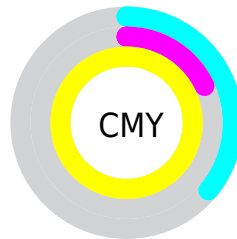


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (18%)



Cyan (36%)


Magenta (18%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.9857, 0.3807, 0.5359 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 53.9857, 0.3807, 0.5359 by changing the saturation by 10% instead.


 53.9857, 0.3807,
0.5359

 53.9857, 0.3807,
0.5359


402.0555, 0.3586,
0.4364

 38.5902, 0.3815,
0.5570

 96.0532, 0.3761,
0.5021


 26.4411, 0.3799,
0.5812


 123.4941, 0.3733,
0.4886

 17.1539, 0.3749,
0.6106


 155.7189, 0.3705,
0.4769

 10.3443, 0.3600,
0.6400

 193.1120, 0.3679,
0.4667

 5.6278, 0.3302,
0.6698

 236.0578, 0.3653,
0.4577

 2.6201, 0.2833,
0.7167

 284.9407, 0.3629,

 0.9368, 0.0000,

0.4497

1.0000

340.1452, 0.3607,
0.4427

■ 0.0000, 0.0000,
0.0000

■ 53.9857, 0.3807,
0.5359

■ 53.9857, 0.3807,
0.5359

■ 53.9851, 0.3807,
0.5359

■ 54.5415, 0.3825,
0.5287

■ 55.1719, 0.3821,
0.5175

■ 55.8992, 0.3792,
0.5016

■ 56.7343, 0.3738,
0.4816

■ 57.6867, 0.3662,
0.4582

■ 58.7643, 0.3569,
0.4327

■ 59.9746, 0.3464,
0.4062

■ 61.3243, 0.3352,
0.3795

■ 62.8196, 0.3239,
0.3536

Harmonies

Analogous

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



53.9857, 0.4718, 0.4742



53.9857, 0.3807, 0.5359



53.9857, 0.2789, 0.5236

Triad

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



53.9857, 0.3807, 0.5359



53.9857, 0.1328, 0.2044



53.9857, 0.4324, 0.2558

Complementary

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



53.9857, 0.3807, 0.5359



5.2410, 0.1610, 0.0661

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.



53.9857, 0.3136, 0.2031



53.9857, 0.3807, 0.5359



53.9857, 0.1565, 0.1725

Square

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



53.9857, 0.3807, 0.5359



53.9857, 0.1424, 0.2828



53.9857, 0.2156, 0.1740



53.9857, 0.5178, 0.3226

Rectangle

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



53.9857, 0.3807, 0.5359



53.9857, 0.2171, 0.4557



53.9857, 0.2156, 0.1740



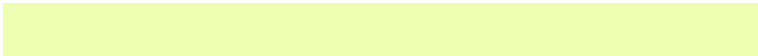
53.9857, 0.3933, 0.2361

Sweetspot

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



53.9881, 0.3807, 0.5359



92.9690, 0.3468, 0.4072



15.6262, 0.6157, 0.3493



19.7231, 0.3514, 0.4186



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.



53.9881, 0.3807, 0.5359



83.6695, 0.3803, 0.5363



47.0475, 0.3122, 0.5902



13.6614, 0.3233, 0.3522



32.9715, 0.3813, 0.5355



1.8767, 0.3886, 0.5296

Inverse Universe

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



5.2410, 0.1610, 0.0661



8.0592, 0.1602, 0.0656



11.1919, 0.2497, 0.1149



11.5409, 0.3015, 0.3052



3.2303, 0.1620, 0.0666



0.2165, 0.1804, 0.0768

Previews

White Background



This preview shows how the Yxy color 53.9857, 0.3807, 0.5359 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 53.9857, 0.3807, 0.5359 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 53.9857, 0.3807, 0.5359

Background



This preview shows how black text looks on a background with the Yxy color 53.9857, 0.3807, 0.5359.



This preview shows how white text looks on a background with the Yxy color 53.9857, 0.3807, 0.5359.

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

53.9857, 0.3807, 0.5359

Protanopia

53.4890, 0.4403, 0.4886

Deuteranopia

53.6540, 0.4654, 0.4556



Tritanopia

53.6784, 0.2913, 0.3093

Trichromacy



Original Color

53.9857, 0.3807, 0.5359

Protanomaly

53.3143, 0.4176, 0.5066

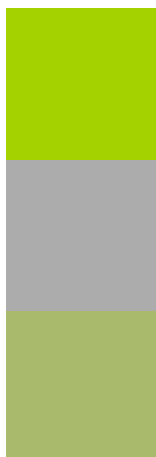
Deuteranomaly

52.6529, 0.4358, 0.4855

Tritanomaly

52.1437, 0.3407, 0.4166

Monochromacy



Original Color

53.9857, 0.3807, 0.5359

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

44.6570, 0.3579, 0.4357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.9857, 0.3807, 0.5359 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(164, 210, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 210, 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(164, 210, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 210, 0) }
```

Border

The CSS property to change the border of an element to Yxy 53.9857, 0.3807, 0.5359 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(164, 210, 0) }
```

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

```
.border{ border-color:rgb(164, 210, 0) }
```

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

Here you see how a box with a 4 pixel rgb(164, 210, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 210, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 210, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 210,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 53.9857, 0.3807, 0.5359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 210, 0) }
```

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

```
.background{ background-color: rgb(164,  
210, 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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