

Converting Colors

$Y_{xy}(43.7085, 0.3896, 0.5426)$

Have a look what the booklet for
Yxy(43.7085, 0.3896, 0.5426)
contains.

Yxy(44.0339, 0.3845, 0.5329)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.0339, 0.3845, 0.5329)

Conversions

Conversions Part 1

Format	Color
Hex	99BF00
RGB	153, 191, 0
RGB Percent	60%, 75%, 0%
CMY	0.3999, 0.2510, 0.9999
CMYK	0.20, 0.00, 1.00, 0.25
HSL	72°, 100%, 37%
HSV	72°, 100%, 75%
XYZ	31.7715, 44.0339, 6.8253
YIQ	157.8640, 38.6630, -67.4570

Conversions

Conversions Part 2

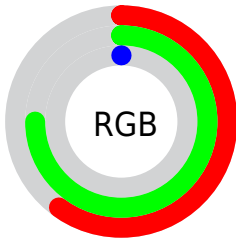
Format	Color
RYB	0, 191, 38
Decimal	10075904
CIELab	72.25, -33.39, 72.71
CIELCh	72, 80.008, 114.664
Yxy	44.0339, 0.3845, 0.5329
Android (android.graphics.Color)	4288265984 (0xFF99BF00)
YUV	157.8640, -77.8270, -4.2657
Hunter-Lab	66.3580, -30.6627, 40.3523

Details

The Yxy color **44.0339, 0.3845, 0.5329** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **4.1745, 0.1596, 0.0653**, and the grayscale version is **34.4788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9645, 0.3786, 0.4975**, and **20.3781, 0.3686, 0.5455** is the 20% darker color. If you saturate the color by 10%, you get **44.0351, 0.3845, 0.5329**, and if you desaturate by 10%, it is **44.4589, 0.3857, 0.5257**.

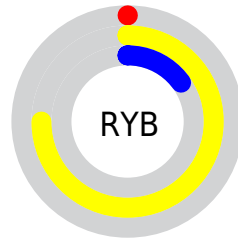
Distribution



Red (60%)

Green (75%)

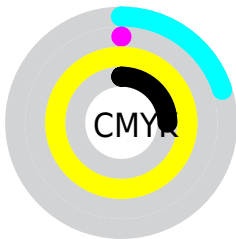
Blue (0%)



Red (0%)

Yellow (75%)

Blue (15%)

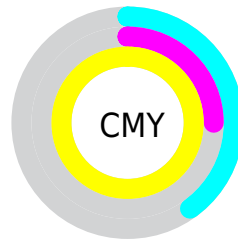


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (40%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0339, 0.3845, 0.5329 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 44.0339, 0.3845, 0.5329 by changing the saturation by 10% instead.


 44.0339, 0.3845,
0.5329

 44.0339, 0.3845,
0.5329


362.8466, 0.3591,
0.4317


 30.6972, 0.3858,
0.5549


 81.2688, 0.3788,
0.4979

 20.3684, 0.3843,
0.5804


 105.9357, 0.3755,
0.4841


 12.6631, 0.3823,
0.6172


 135.1481, 0.3723,
0.4722

 7.1970, 0.3599,
0.6401

 169.2904, 0.3693,
0.4619

 3.5856, 0.3253,
0.6747

 208.7470, 0.3665,
0.4529

 1.4446, 0.2471,
0.7529

 253.9023, 0.3638,

 0.2492, 0.0000,

0.4450

1.0000

305.1407, 0.3614,
0.4380

■ 0.0000, 0.0000,
0.0000

■ 44.0339, 0.3845,
0.5329

■ 44.0339, 0.3845,
0.5329

■ 44.0351, 0.3845,
0.5329

■ 44.4589, 0.3857,
0.5257

■ 44.9403, 0.3849,
0.5148

■ 45.4970, 0.3816,
0.4992

■ 46.1376, 0.3757,
0.4796

■ 46.8694, 0.3677,
0.4567

■ 47.6988, 0.3581,
0.4317

■ 48.6316, 0.3473,
0.4055

■ 49.6730, 0.3358,
0.3792

■ 50.8280, 0.3242,
0.3535

Harmonies

Analogous

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



44.0339, 0.4740, 0.4706



44.0339, 0.3845, 0.5329



44.0339, 0.2833, 0.5243

Triad

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



44.0339, 0.3845, 0.5329



44.0339, 0.1336, 0.2074



44.0339, 0.4270, 0.2539

Complementary

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



44.0339, 0.3845, 0.5329



4.1745, 0.1596, 0.0653

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.



44.0339, 0.3092, 0.2023



44.0339, 0.3845, 0.5329



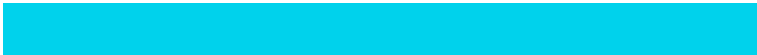
44.0339, 0.1559, 0.1740

Square

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



44.0339, 0.3845, 0.5329



44.0339, 0.1446, 0.2876



44.0339, 0.2132, 0.1743



44.0339, 0.5142, 0.3201

Rectangle

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



44.0339, 0.3845, 0.5329



44.0339, 0.2212, 0.4595



44.0339, 0.2132, 0.1743



44.0339, 0.3880, 0.2346

Sweetspot

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



44.0359, 0.3845, 0.5329



87.0140, 0.3478, 0.4068



12.2810, 0.6209, 0.3452



18.9467, 0.3525, 0.4180



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.0359, 0.3845, 0.5329



78.7641, 0.3839, 0.5333



38.2376, 0.3155, 0.5877



11.0221, 0.3234, 0.3519



28.9740, 0.3850, 0.5325



1.1598, 0.3937, 0.5256

Inverse Universe

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



4.1745, 0.1596, 0.0653



7.3946, 0.1586, 0.0647



8.5499, 0.2421, 0.1108



9.3143, 0.3014, 0.3055



2.7702, 0.1605, 0.0658



0.1361, 0.1837, 0.0785

Previews

White Background



This preview shows how the Yxy color 44.0339, 0.3845, 0.5329 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 44.0339, 0.3845, 0.5329 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 44.0339, 0.3845, 0.5329

Background



This preview shows how black text looks on a background with the Yxy color 44.0339, 0.3845, 0.5329.



This preview shows how white text looks on a background with the Yxy color 44.0339, 0.3845, 0.5329.

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

44.0339, 0.3845, 0.5329

Protanopia

43.5864, 0.4403, 0.4886

Deuteranopia

43.8087, 0.4652, 0.4557



Tritanopia

44.0816, 0.2942, 0.3103

Trichromacy



Original Color

44.0339, 0.3845, 0.5329

Protanomaly

43.4010, 0.4193, 0.5053

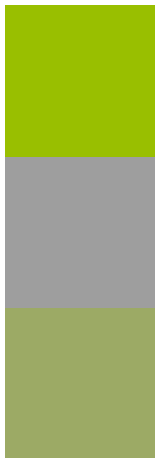
Deuteranomaly

43.1144, 0.4372, 0.4839

Tritanomaly

43.0586, 0.3436, 0.4162

Monochromacy



Original Color

44.0339, 0.3845, 0.5329

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

36.7570, 0.3581, 0.4325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0339, 0.3845, 0.5329 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(153, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 191, 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(153, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.0339, 0.3845, 0.5329 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(153, 191, 0) }
```

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

```
.border{ border-color:rgb(153, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0339, 0.3845, 0.5329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 191, 0) }
```

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

```
.background{ background-color: rgb(153,  
191, 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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