

Converting Colors

$Y_{xy}(39.5330, 0.3320, 0.5746)$

Have a look what the booklet for
Yxy(39.5330, 0.3320, 0.5746)
contains.

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Color

Yxy(39.3855, 0.3319, 0.5746)

Conversions

Conversions Part 1

Format	Color
Hex	59BF00
RGB	89, 191, 0
RGB Percent	35%, 75%, 0%
CMY	0.6511, 0.2510, 0.9991
CMYK	0.53, 0.00, 1.00, 0.25
HSL	92°, 100%, 37%
HSV	92°, 100%, 75%
XYZ	22.7498, 39.3855, 6.4089
YIQ	138.7280, 0.5190, -81.0250

Conversions

Conversions Part 2

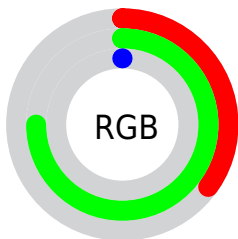
Format	Color
RYB	0, 191, 102
Decimal	5881600
CIELab	69.03, -56.06, 68.80
CIELCh	69, 88.753, 129.174
Yxy	39.3855, 0.3319, 0.5746
Android (android.graphics.Color)	4284071680 (0xFF59BF00)
YUV	138.7280, -68.3929, -43.6115
Hunter-Lab	62.7579, -45.1198, 37.8758

Details

The Yxy color **39.3855, 0.3319, 0.5746** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **6.6061, 0.2092, 0.0926**, and the grayscale version is **25.9848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0889, 0.3368, 0.5267**, and **17.6406, 0.3011, 0.5991** is the 20% darker color. If you saturate the color by 10%, you get **39.3809, 0.3318, 0.5747**, and if you desaturate by 10%, it is **39.9756, 0.3370, 0.5632**.

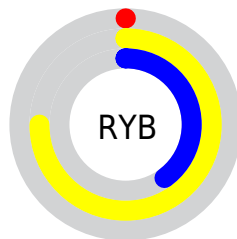
Distribution



Red (35%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (40%)

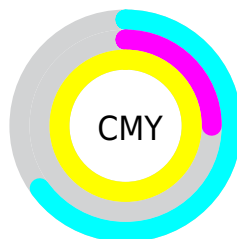


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (65%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3855, 0.3319, 0.5746 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 39.3855, 0.3319, 0.5746 by changing the saturation by 10% instead.


 39.3855, 0.3319,
0.5746


 39.3855, 0.3319,
0.5746


343.5267, 0.3344,
0.4435


 27.0598, 0.3257,
0.6066


 74.2269, 0.3367,
0.5266

 17.6181, 0.3141,
0.6454

 97.5113, 0.3372,
0.5085

 10.6762, 0.2974,
0.7026


 125.2173, 0.3372,
0.4933

 5.8495, 0.2548,
0.7452

 157.7295, 0.3369,
0.4803

 2.7538, 0.1871,
0.8129

 195.4321, 0.3364,
0.4691

 1.0046, 0.0000,
1.0000

 238.7096, 0.3357,

 0.0000, 0.0000,

0.4594

0.0000

287.9463, 0.3350,
0.4509

■ 39.3855, 0.3319,
0.5746

■ 39.3855, 0.3319,
0.5746

■ 39.3809, 0.3318,
0.5747

■ 39.9756, 0.3370,
0.5632

■ 40.6837, 0.3406,
0.5467

■ 41.5307, 0.3422,
0.5248

■ 42.5274, 0.3416,
0.4986

■ 43.6833, 0.3393,
0.4697

■ 45.0070, 0.3354,
0.4395

■ 46.5063, 0.3304,
0.4095

■ 48.1884, 0.3248,
0.3807

■ 50.0602, 0.3188,
0.3536

Harmonies

Analogous

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



39.3855, 0.4409, 0.5221



39.3855, 0.3319, 0.5746



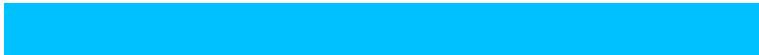
39.3855, 0.2238, 0.5086

Triad

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



39.3855, 0.3319, 0.5746



39.3855, 0.1228, 0.1693



39.3855, 0.5007, 0.2769

Complementary

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



39.3855, 0.3319, 0.5746



6.6061, 0.2092, 0.0926

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.



39.3855, 0.3724, 0.2124



39.3855, 0.3319, 0.5746



39.3855, 0.1637, 0.1537

Square

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



39.3855, 0.3319, 0.5746



39.3855, 0.1161, 0.2280



39.3855, 0.2465, 0.1692



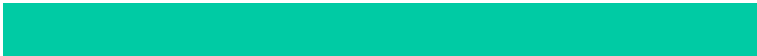
39.3855, 0.5590, 0.3510

Rectangle

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



39.3855, 0.3319, 0.5746



39.3855, 0.1672, 0.4042



39.3855, 0.2465, 0.1692



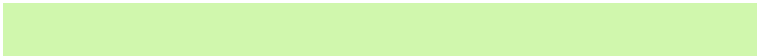
39.3855, 0.4624, 0.2539

Sweetspot

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



39.3872, 0.3319, 0.5746



83.1200, 0.3308, 0.4113



20.5750, 0.5310, 0.4164



17.9939, 0.3330, 0.4240



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.



39.3872, 0.3319, 0.5746



70.3853, 0.3308, 0.5756



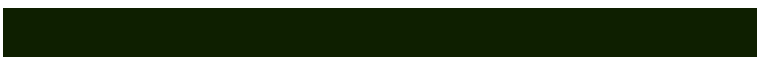
37.2799, 0.2994, 0.5979



10.8613, 0.3184, 0.3522



25.9259, 0.3328, 0.5739



1.0545, 0.3520, 0.5587

Inverse Universe

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



6.6061, 0.2092, 0.0926



11.6652, 0.2076, 0.0917



14.5698, 0.3294, 0.1589



9.4698, 0.3065, 0.3059



4.3824, 0.2104, 0.0933



0.2102, 0.2361, 0.1074

Previews

White Background



This preview shows how the Yxy color 39.3855, 0.3319, 0.5746 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 39.3855, 0.3319, 0.5746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

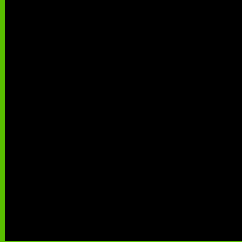
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.3855, 0.3319, 0.5746

Background



This preview shows how black text looks on a background with the Yxy color 39.3855, 0.3319, 0.5746.



This preview shows how white text looks on a background with the Yxy color 39.3855, 0.3319, 0.5746.

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

39.3855, 0.3319, 0.5746

Protanopia

38.8241, 0.4403, 0.4886

Deuteranopia

38.7916, 0.4622, 0.4524



Tritanopia

39.3596, 0.2555, 0.3081

Trichromacy



Original Color

39.3855, 0.3319, 0.5746

Protanomaly

37.8230, 0.3966, 0.5233

Deuteranomaly

37.4115, 0.4111, 0.5014

Tritanomaly

38.3363, 0.2960, 0.4300

Monochromacy



Original Color

39.3855, 0.3319, 0.5746

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

29.2399, 0.3367, 0.4492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3855, 0.3319, 0.5746 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(89, 191, 0)` looks like.

```
.text, #text, p{  
  color:rgb(89, 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(89, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 39.3855, 0.3319, 0.5746 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(89, 191, 0) }
```

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

```
.border{ border-color:rgb(89, 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(89, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(89, 191, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 39.3855, 0.3319, 0.5746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 191, 0) }
```

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

```
.background{ background-color: rgb(89, 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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