

Converting Colors

$Y_{xy}(39.9730, 0.3840, 0.5333)$

Have a look what the booklet for
Yxy(39.9730, 0.3840, 0.5333)
contains.

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Color

Yxy(39.9780, 0.3840, 0.5333)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 92B700 |
| RGB | 146, 183, 0 |
| RGB Percent | 57%, 72%, 0% |
| CMY | 0.4275, 0.2823, 0.9999 |
| CMYK | 0.20, 0.00, 1.00, 0.28 |
| HSL | 72°, 100%, 36% |
| HSV | 72°, 100%, 72% |
| XYZ | 28.7860, 39.9780, 6.1995 |
| YIQ | 151.0750, 36.6910, -64.7570 |

Conversions

Conversions Part 2

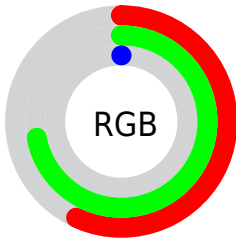
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 183, 37 |
| Decimal | 9615104 |
| CIELab | 69.45, -32.56, 70.39 |
| CIELCh | 69, 77.558, 114.822 |
| Yxy | 39.9780, 0.3840, 0.5333 |
| Android (android.graphics.Color) | 4287805184 (0xFF92B700) |
| YUV | 151.0750, -74.4800, -4.4508 |
| Hunter-Lab | 63.2282, -29.3834, 38.4464 |

Details

The Yxy color **39.9780, 0.3840, 0.5333** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **3.8138, 0.1601, 0.0656**, and the grayscale version is **31.2959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1349, 0.3782, 0.4969**, and **18.1389, 0.3675, 0.5464** is the 20% darker color. If you saturate the color by 10%, you get **39.9793, 0.3840, 0.5333**, and if you desaturate by 10%, it is **40.3693, 0.3852, 0.5259**.

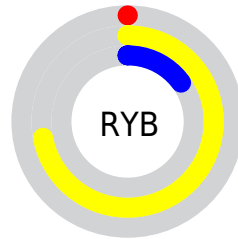
Distribution



Red (57%)

Green (72%)

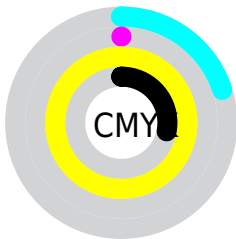
Blue (0%)



Red (0%)

Yellow (72%)

Blue (15%)

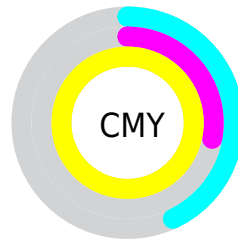


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (43%)


Magenta (28%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9780, 0.3840, 0.5333 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 39.9780, 0.3840, 0.5333 by changing the saturation by 10% instead.


 39.9780, 0.3840,
0.5333


 39.9780, 0.3840,
0.5333


346.0308, 0.3583,
0.4301


 27.5214, 0.3853,
0.5562


 75.1300, 0.3782,
0.4972


 17.9652, 0.3834,
0.5828


 98.5942, 0.3748,
0.4831


 10.9250, 0.3799,
0.6201


 126.4964, 0.3716,
0.4710

 6.0164, 0.3553,
0.6447

 159.2209, 0.3685,
0.4605

 2.8551, 0.3166,
0.6834

 197.1523, 0.3656,
0.4514

 1.0565, 0.1591,
0.8409

 240.6748, 0.3630,

 0.0000, 0.0000,

0.4434

0.0000

290.1728, 0.3605,
0.4364

■ 39.9780, 0.3840,
0.5333

■ 39.9780, 0.3840,
0.5333

■ 39.9793, 0.3840,
0.5333

■ 40.3693, 0.3852,
0.5259

■ 40.8117, 0.3844,
0.5148

■ 41.3227, 0.3810,
0.4991

■ 41.9100, 0.3752,
0.4794

■ 42.5802, 0.3673,
0.4565

■ 43.3390, 0.3577,
0.4315

■ 44.1917, 0.3470,
0.4053

■ 45.1430, 0.3356,
0.3791

■ 46.1973, 0.3241,
0.3534

Harmonies

Analogous

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



39.9780, 0.4737, 0.4710



39.9780, 0.3840, 0.5333



39.9780, 0.2827, 0.5242

Triad

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



39.9780, 0.3840, 0.5333



39.9780, 0.1335, 0.2070



39.9780, 0.4277, 0.2542

Complementary

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



39.9780, 0.3840, 0.5333



3.8138, 0.1601, 0.0656

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.



39.9780, 0.3098, 0.2024



39.9780, 0.3840, 0.5333



39.9780, 0.1560, 0.1738

Square

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



39.9780, 0.3840, 0.5333



39.9780, 0.1443, 0.2869



39.9780, 0.2135, 0.1742



39.9780, 0.5146, 0.3204

Rectangle

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



39.9780, 0.3840, 0.5333



39.9780, 0.2207, 0.4590



39.9780, 0.2135, 0.1742



39.9780, 0.3887, 0.2348

Sweetspot

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



39.9798, 0.3840, 0.5333



79.0579, 0.3476, 0.4067



11.3678, 0.6175, 0.3479



17.3159, 0.3522, 0.4177



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



39.9798, 0.3840, 0.5333



71.4960, 0.3834, 0.5338



34.6799, 0.3142, 0.5887



10.4092, 0.3234, 0.3518



27.9172, 0.3844, 0.5330



1.0077, 0.3940, 0.5254

Inverse Universe

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



3.8138, 0.1601, 0.0656



6.7511, 0.1590, 0.0649



8.0176, 0.2463, 0.1131



8.8047, 0.3015, 0.3056



2.6837, 0.1609, 0.0660



0.1207, 0.1860, 0.0798

Previews

White Background



This preview shows how the Yxy color 39.9780, 0.3840, 0.5333 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 39.9780, 0.3840, 0.5333 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 39.9780, 0.3840, 0.5333

Background



This preview shows how black text looks on a background with the Yxy color 39.9780, 0.3840, 0.5333.



This preview shows how white text looks on a background with the Yxy color 39.9780, 0.3840, 0.5333.

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

39.9780, 0.3840, 0.5333

Protanopia

39.8258, 0.4401, 0.4888

Deuteranopia

39.3976, 0.4652, 0.4549



Tritanopia

39.7872, 0.2935, 0.3095

Trichromacy



Original Color

39.9780, 0.3840, 0.5333

Protanomaly

39.7739, 0.4193, 0.5053

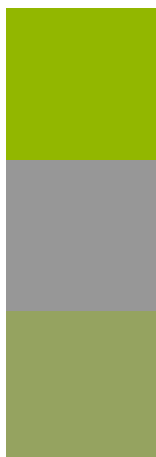
Deuteranomaly

38.8782, 0.4371, 0.4838

Tritanomaly

39.0122, 0.3434, 0.4154

Monochromacy



Original Color

39.9780, 0.3840, 0.5333

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

33.4285, 0.3580, 0.4336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9780, 0.3840, 0.5333 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(146, 183, 0)` looks like.

```
.text, #text, p{  
    color:rgb(146, 183, 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(146, 183, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 183, 0) }
```

Border

The CSS property to change the border of an element to Yxy 39.9780, 0.3840, 0.5333 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(146, 183, 0) }
```

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

```
.border{ border-color:rgb(146, 183, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 183, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 183, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 183, 0);  
box-shadow:4px 4px 4px 4px rgb(146, 183,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9780, 0.3840, 0.5333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 183, 0) }
```

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

```
.background{ background-color: rgb(146,  
183, 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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