

Converting Colors

$Y_{xy}(40.0179, 0.3388, 0.5692)$

Have a look what the booklet for
Yxy(40.0179, 0.3388, 0.5692)
contains.

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Color

Yxy(39.9143, 0.3390, 0.5691)

Conversions

Conversions Part 1

Format	Color
Hex	63BF00
RGB	99, 191, 0
RGB Percent	39%, 75%, 0%
CMY	0.6117, 0.2510, 1.0000
CMYK	0.48, 0.00, 1.00, 0.25
HSL	89°, 100%, 37%
HSV	89°, 100%, 75%
XYZ	23.7760, 39.9143, 6.4455
YIQ	141.7180, 6.4790, -78.9050

Conversions

Conversions Part 2

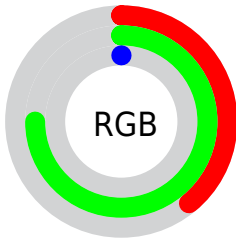
Format	Color
RYB	0, 191, 92
Decimal	6536960
CIELab	69.41, -53.10, 69.31
CIELCh	69, 87.310, 127.455
Yxy	39.9143, 0.3390, 0.5691
Android (android.graphics.Color)	4284727040 (0xFF63BF00)
YUV	141.7180, -69.8670, -37.4637
Hunter-Lab	63.1778, -43.3852, 38.1756

Details

The Yxy color **39.9143, 0.3390, 0.5691** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **6.0370, 0.1986, 0.0868**, and the grayscale version is **27.2141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9684, 0.3424, 0.5231**, and **18.1984, 0.3103, 0.5918** is the 20% darker color. If you saturate the color by 10%, you get **39.9164, 0.3390, 0.5690**, and if you desaturate by 10%, it is **40.5118, 0.3438, 0.5580**.

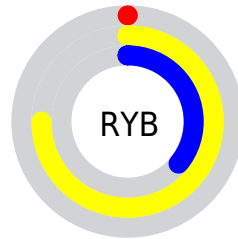
Distribution



Red (39%)

Green (75%)

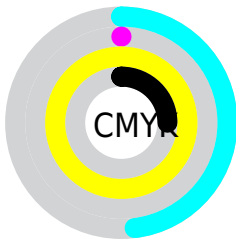
Blue (0%)



Red (0%)

Yellow (75%)

Blue (36%)

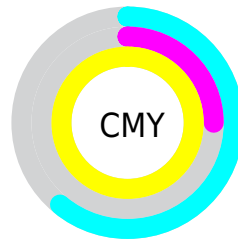


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (61%)


Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9143, 0.3390, 0.5691 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 39.9143, 0.3390, 0.5691 by changing the saturation by 10% instead.


 39.9143, 0.3390,
0.5691


 39.9143, 0.3390,
0.5691


345.7622, 0.3376,
0.4420


 27.4717, 0.3338,
0.5997


 75.0330, 0.3423,
0.5229


 17.9278, 0.3236,
0.6367

 98.4779, 0.3424,
0.5054

 10.8982, 0.3089,
0.6911


 126.3591, 0.3419,
0.4905

 5.9984, 0.2689,
0.7311

 159.0609, 0.3412,
0.4779

 2.8441, 0.2078,
0.7922

 196.9677, 0.3404,
0.4670

 1.0509, 0.0000,
1.0000

 240.4639, 0.3395,

 0.0000, 0.0000,

0.4576

0.0000

289.9340, 0.3385,
0.4493

■ 39.9143, 0.3390,
0.5691

■ 39.9143, 0.3390,
0.5691

■ 39.9164, 0.3390,
0.5690

■ 40.5118, 0.3438,
0.5580

■ 41.2147, 0.3470,
0.5423

■ 42.0436, 0.3480,
0.5212

■ 43.0088, 0.3468,
0.4960

■ 44.1190, 0.3437,
0.4680

■ 45.3822, 0.3390,
0.4386

■ 46.8057, 0.3331,
0.4092

■ 48.3961, 0.3266,
0.3807

■ 50.1596, 0.3197,
0.3539

Harmonies

Analogous

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



39.9143, 0.4457, 0.5150



39.9143, 0.3390, 0.5691



39.9143, 0.2316, 0.5115

Triad

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



39.9143, 0.3390, 0.5691



39.9143, 0.1242, 0.1739



39.9143, 0.4910, 0.2742

Complementary

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



39.9143, 0.3390, 0.5691



6.0370, 0.1986, 0.0868

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.



39.9143, 0.3637, 0.2112



39.9143, 0.3390, 0.5691



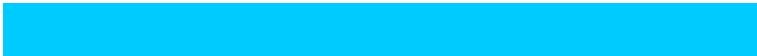
39.9143, 0.1626, 0.1562

Square

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



39.9143, 0.3390, 0.5691



39.9143, 0.1196, 0.2353



39.9143, 0.2419, 0.1699



39.9143, 0.5538, 0.3473

Rectangle

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



39.9143, 0.3390, 0.5691



39.9143, 0.1740, 0.4120



39.9143, 0.2419, 0.1699



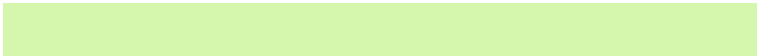
39.9143, 0.4524, 0.2515

Sweetspot

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



39.9164, 0.3390, 0.5690



83.6975, 0.3334, 0.4106



18.2442, 0.5508, 0.4008



18.1337, 0.3360, 0.4231



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.



39.9164, 0.3390, 0.5690



71.3415, 0.3379, 0.5699



37.3045, 0.3007, 0.5995



10.8862, 0.3192, 0.3522



26.2794, 0.3399, 0.5683



1.0681, 0.3582, 0.5538

Inverse Universe

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



6.0370, 0.1986, 0.0868



10.6687, 0.1970, 0.0859



14.0310, 0.3126, 0.1496



9.4447, 0.3057, 0.3058



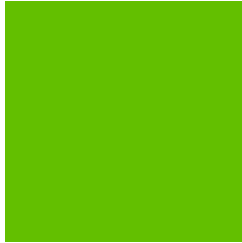
4.0147, 0.2000, 0.0875



0.1962, 0.2271, 0.1025

Previews

White Background



This preview shows how the Yxy color 39.9143, 0.3390, 0.5691 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 39.9143, 0.3390, 0.5691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

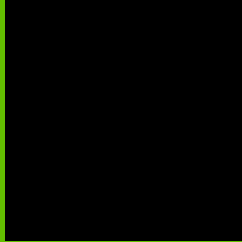
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9143, 0.3390, 0.5691

Background



This preview shows how black text looks on a background with the Yxy color 39.9143, 0.3390, 0.5691.



This preview shows how white text looks on a background with the Yxy color 39.9143, 0.3390, 0.5691.

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

39.9143, 0.3390, 0.5691

Protanopia

39.3231, 0.4402, 0.4887

Deuteranopia

39.2851, 0.4620, 0.4528



Tritanopia

39.9316, 0.2606, 0.3084

Trichromacy



Original Color

39.9143, 0.3390, 0.5691



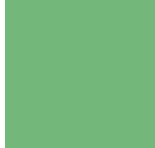
Protanomaly

38.6124, 0.3997, 0.5209



Deuteranomaly

37.8539, 0.4152, 0.4984



Tritanomaly

38.9170, 0.3027, 0.4281

Monochromacy



Original Color

39.9143, 0.3390, 0.5691



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

30.3154, 0.3403, 0.4481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9143, 0.3390, 0.5691 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(99, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(99, 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(99, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 39.9143, 0.3390, 0.5691 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(99, 191, 0) }
```

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

```
.border{ border-color:rgb(99, 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(99, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(99, 191, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 39.9143, 0.3390, 0.5691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 191, 0) }
```

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

```
.background{ background-color: rgb(99, 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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