

Converting Colors

$Yxy(39.0697, 0.3144, 0.5885)$

Have a look what the booklet for
Yxy(39.0697, 0.3144, 0.5885)
contains.

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Color

Yxy(39.0697, 0.3144, 0.5885)

Conversions

Conversions Part 1

Format	Color
Hex	3BC100
RGB	59, 193, 0
RGB Percent	23%, 76%, 0%
CMY	0.7688, 0.2431, 0.9992
CMYK	0.69, 0.00, 1.00, 0.24
HSL	102°, 100%, 38%
HSV	102°, 100%, 76%
XYZ	20.8726, 39.0697, 6.4463
YIQ	130.9320, -17.9110, -88.4310

Conversions

Conversions Part 2

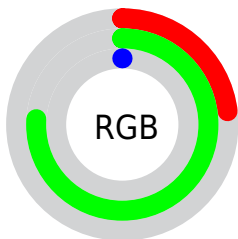
Format	Color
RYB	0, 193, 134
Decimal	3916032
CIELab	68.80, -63.87, 68.26
CIELCh	69, 93.479, 133.095
Yxy	39.0697, 0.3144, 0.5885
Android (android.graphics.Color)	4282106112 (0xFF3BC100)
YUV	130.9320, -64.5495, -63.0844
Hunter-Lab	62.5058, -49.7785, 37.6393

Details

The Yxy color **39.0697, 0.3144, 0.5885** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **8.9438, 0.2450, 0.1124**, and the grayscale version is **22.9163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9945, 0.3229, 0.5368**, and **18.1770, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.0666, 0.3144, 0.5886**, and if you desaturate by 10%, it is **39.5834, 0.3191, 0.5770**.

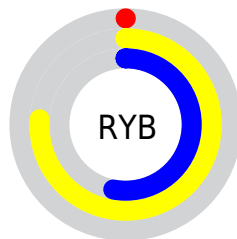
Distribution



Red (23%)

Green (76%)

Blue (0%)



Red (0%)

Yellow (76%)

Blue (53%)

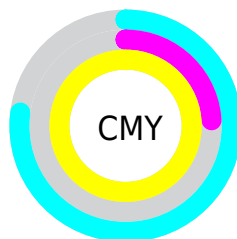


Cyan (69%)

Magenta (0%)

Yellow (100%)

Black (24%)



Cyan (77%)


Magenta (24%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0697, 0.3144, 0.5885 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 39.0697, 0.3144, 0.5885 by changing the saturation by 10% instead.


 39.0697, 0.3144,
0.5885


 39.0697, 0.3144,
0.5885


342.1867, 0.3264,
0.4479


 26.8140, 0.3056,
0.6236


 73.7448, 0.3228,
0.5365

 17.4335, 0.2907,
0.6665


 96.9329, 0.3247,
0.5170


 10.5441, 0.2696,
0.7304


 124.5340, 0.3257,
0.5007

 5.7612, 0.2218,
0.7782

 156.9323, 0.3263,
0.4869

 2.7004, 0.1344,
0.8656

 194.5124, 0.3266,
0.4750

 0.9774, 0.0000,
1.0000

 237.6585, 0.3266,

 0.0000, 0.0000,

0.4647

0.0000

286.7552, 0.3266,
0.4558

■ 39.0697, 0.3144,
0.5885

■ 39.0697, 0.3144,
0.5885

■ 39.0666, 0.3144,
0.5886

■ 39.5834, 0.3191,
0.5770

■ 40.2563, 0.3232,
0.5595

■ 41.1137, 0.3258,
0.5356

■ 42.1704, 0.3269,
0.5071

■ 43.4396, 0.3266,
0.4757

■ 44.9331, 0.3251,
0.4434

■ 46.6619, 0.3227,
0.4116

■ 48.6362, 0.3197,
0.3816

■ 50.8654, 0.3163,
0.3539

Harmonies

Analogous

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



39.0697, 0.4288, 0.5396



39.0697, 0.3144, 0.5885



39.0697, 0.2051, 0.5007

Triad

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



39.0697, 0.3144, 0.5885



39.0697, 0.1194, 0.1584



39.0697, 0.5243, 0.2830

Complementary

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



39.0697, 0.3144, 0.5885



8.9438, 0.2450, 0.1124

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.



39.0697, 0.3943, 0.2151



39.0697, 0.3144, 0.5885



39.0697, 0.1660, 0.1475

Square

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



39.0697, 0.3144, 0.5885



39.0697, 0.1078, 0.2109



39.0697, 0.2578, 0.1673



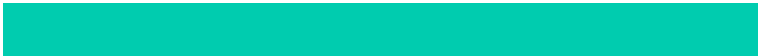
39.0697, 0.5708, 0.3593

Rectangle

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



39.0697, 0.3144, 0.5885



39.0697, 0.1511, 0.3849



39.0697, 0.2578, 0.1673



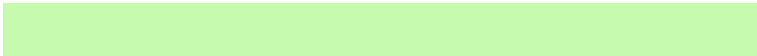
39.0697, 0.4871, 0.2590

Sweetspot

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



39.0713, 0.3144, 0.5885



83.3769, 0.3229, 0.4134



27.8280, 0.4889, 0.4499



17.5959, 0.3240, 0.4268



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.



39.0713, 0.3144, 0.5885



69.8520, 0.3134, 0.5893



38.2683, 0.2953, 0.5829



11.4043, 0.3161, 0.3525



26.0195, 0.3152, 0.5879



1.1612, 0.3332, 0.5736

Inverse Universe

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



8.9438, 0.2450, 0.1124



15.8651, 0.2438, 0.1116



13.7995, 0.3736, 0.1832



10.0885, 0.3090, 0.3060



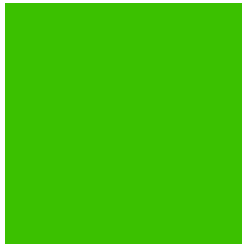
5.9855, 0.2459, 0.1128



0.2934, 0.2632, 0.1224

Previews

White Background



This preview shows how the Yxy color 39.0697, 0.3144, 0.5885 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 39.0697, 0.3144, 0.5885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

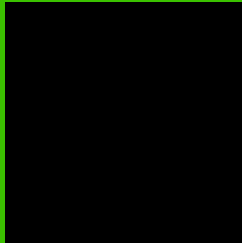
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.0697, 0.3144, 0.5885

Background



This preview shows how black text looks on a background with the Yxy color 39.0697, 0.3144, 0.5885.



This preview shows how white text looks on a background with the Yxy color 39.0697, 0.3144, 0.5885.

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

39.0697, 0.3144, 0.5885

Protanopia

38.3288, 0.4404, 0.4885

Deuteranopia

38.1691, 0.4606, 0.4517



Tritanopia

38.6766, 0.2437, 0.3061

Trichromacy



Original Color

39.0697, 0.3144, 0.5885



Protanomaly

36.7134, 0.3847, 0.5328



Deuteranomaly

36.0704, 0.3976, 0.5109



Tritanomaly

37.5752, 0.2800, 0.4321

Monochromacy



Original Color

39.0697, 0.3144, 0.5885



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.7390, 0.3264, 0.4608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0697, 0.3144, 0.5885 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(59, 193, 0)` looks like.

```
.text, #text, p{  
    color:rgb(59, 193, 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(59, 193, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 193, 0) }
```

Border

The CSS property to change the border of an element to Yxy 39.0697, 0.3144, 0.5885 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(59, 193, 0) }
```

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

```
.border{ border-color:rgb(59, 193, 0) }
```

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

Here you see how a box with a 4 pixel rgb(59, 193, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 193, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 193, 0);  
box-shadow:4px 4px 4px 4px rgb(59, 193, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 39.0697, 0.3144, 0.5885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 193, 0) }
```

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

```
.background{ background-color: rgb(59, 193,  
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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