

Converting Colors

$Yxy(39.8135, 0.2911, 0.5678)$

Have a look what the booklet for
Yxy(39.8135, 0.2911, 0.5678)
contains.

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Color

Yxy(39.7278, 0.2911, 0.5681)

Conversions

Conversions Part 1

Format	Color
Hex	00C434
RGB	0, 196, 52
RGB Percent	0%, 77%, 20%
CMY	1.0000, 0.2313, 0.7960
CMYK	1.00, 0.00, 0.73, 0.23
HSL	136°, 100%, 38%
HSV	136°, 100%, 77%
XYZ	20.3569, 39.7278, 9.8463
YIQ	120.9800, -70.5920, -86.3360

Conversions

Conversions Part 2

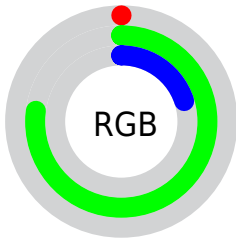
Format	Color
RYB	0, 155, 196
Decimal	50228
CIELab	69.28, -68.41, 57.26
CIELCh	69, 89.210, 140.073
Yxy	39.7278, 0.2911, 0.5681
Android (android.graphics.Color)	4278240308 (0xFF00C434)
YUV	120.9800, -34.0071, -106.0995
Hunter-Lab	63.0300, -52.6520, 34.8590

Details

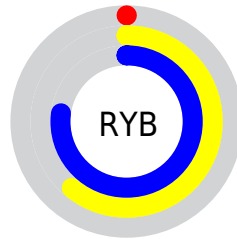
The Yxy color **39.7278, 0.2911, 0.5681** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **13.7500, 0.4022, 0.1989**, and the grayscale version is **19.2452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7119, 0.3014, 0.5181**, and **18.7562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.7316, 0.2911, 0.5681**, and if you desaturate by 10%, it is **40.0264, 0.2884, 0.5492**.

Distribution



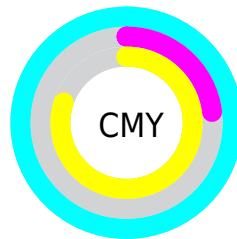
- Red (0%)
- Green (77%)
- Blue (20%)



- Red (0%)
- Yellow (61%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7278, 0.2911, 0.5681 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 39.7278, 0.2911, 0.5681 by changing the saturation by 10% instead.


 39.7278, 0.2911,
0.5681


 39.7278, 0.2911,
0.5681


344.9750, 0.3116,
0.4358


 27.3264, 0.2819,
0.6034


 74.7488, 0.3014,
0.5178


 17.8185, 0.2674,
0.6489


 98.1372, 0.3044,
0.4994

 10.8198, 0.2439,
0.7083


 125.9568, 0.3065,
0.4842

 5.9458, 0.2066,
0.7934

 158.5918, 0.3081,
0.4714

 2.8121, 0.1130,
0.8870

 196.4267, 0.3093,
0.4605

 1.0345, 0.0000,
1.0000

 239.8460, 0.3103,

 0.0000, 0.0000,

0.4511

0.0000

289.2339, 0.3110,
0.4429

■ 39.7278, 0.2911,
0.5681

■ 39.7278, 0.2911,
0.5681

■ 39.7316, 0.2911,
0.5681

■ 40.0264, 0.2884,
0.5492

■ 40.5102, 0.2866,
0.5262

■ 41.2375, 0.2864,
0.5002

■ 42.2377, 0.2876,
0.4725

■ 43.5360, 0.2902,
0.4445

■ 45.1544, 0.2938,
0.4174

■ 47.1130, 0.2981,
0.3920

■ 49.4300, 0.3028,
0.3686

■ 52.1224, 0.3077,
0.3476

Harmonies

Analogous

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



39.7278, 0.4026, 0.5498



39.7278, 0.2911, 0.5681



39.7278, 0.1903, 0.4545

Triad

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



39.7278, 0.2911, 0.5681



39.7278, 0.1332, 0.1593



39.7278, 0.5333, 0.3030

Complementary

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



39.7278, 0.2911, 0.5681



13.7500, 0.4022, 0.1989

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.



39.7278, 0.4229, 0.2339



39.7278, 0.2911, 0.5681



39.7278, 0.1882, 0.1557

Square

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



39.7278, 0.2911, 0.5681



39.7278, 0.1144, 0.2001



39.7278, 0.2880, 0.1816



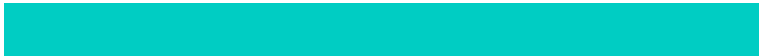
39.7278, 0.5571, 0.3797

Rectangle

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



39.7278, 0.2911, 0.5681



39.7278, 0.1448, 0.3457



39.7278, 0.2880, 0.1816



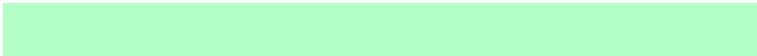
39.7278, 0.5042, 0.2789

Sweetspot

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



39.7316, 0.2911, 0.5681



85.1587, 0.2978, 0.3931



45.6871, 0.3756, 0.5400



17.8884, 0.2959, 0.4038



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



39.7316, 0.2911, 0.5681



71.9335, 0.2918, 0.5705



41.5903, 0.2478, 0.4121



11.3018, 0.3081, 0.3464



25.5394, 0.2905, 0.5658



1.1153, 0.2776, 0.5192

Inverse Universe

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



13.7500, 0.4022, 0.1989



24.8615, 0.4037, 0.1998



11.9586, 0.5939, 0.3046



10.2004, 0.3177, 0.3122



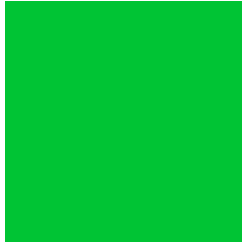
8.8490, 0.4008, 0.1982



0.3932, 0.3792, 0.1863

Previews

White Background



This preview shows how the Yxy color 39.7278, 0.2911, 0.5681 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 39.7278, 0.2911, 0.5681 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 39.7278, 0.2911, 0.5681

Background



This preview shows how black text looks on a background with the Yxy color 39.7278, 0.2911, 0.5681.



This preview shows how white text looks on a background with the Yxy color 39.7278, 0.2911, 0.5681.

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

39.7278, 0.2911, 0.5681

Protanopia

38.8861, 0.4282, 0.4729

Deuteranopia

38.7449, 0.4460, 0.4355



Tritanopia

39.6935, 0.2353, 0.3061

Trichromacy



Original Color

39.7278, 0.2911, 0.5681



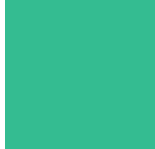
Protanomaly

36.0473, 0.3521, 0.5245



Deuteranomaly

34.8285, 0.3615, 0.4982



Tritanomaly

38.7408, 0.2547, 0.4026

Monochromacy



Original Color

39.7278, 0.2911, 0.5681



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

23.6021, 0.2910, 0.4358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7278, 0.2911, 0.5681 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(0, 196, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 52)  
}
```

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(0, 196, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 52) }
```

Border

The CSS property to change the border of an element to Yxy 39.7278, 0.2911, 0.5681 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(0, 196, 52) }
```

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

```
.border{ border-color:rgb(0, 196, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 196, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 196, 52); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 196, 52); box-shadow:4px 4px 4px 4px rgb(0, 196, 52) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7278, 0.2911, 0.5681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 52) }
```

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

```
.background{ background-color: rgb(0, 196,  
52) }
```

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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