

Converting Colors

$Y_{xy}(39.9117, 0.2992, 0.5910)$

Have a look what the booklet for
Yxy(39.9117, 0.2992, 0.5910)
contains.

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Color

Yxy(40.0838, 0.2993, 0.5912)

Conversions

Conversions Part 1

Format	Color
Hex	0EC516
RGB	14, 197, 22
RGB Percent	5%, 77%, 9%
CMY	0.9448, 0.2274, 0.9139
CMYK	0.93, 0.00, 0.89, 0.23
HSL	123°, 87%, 41%
HSV	123°, 93%, 77%
XYZ	20.2928, 40.0838, 7.4242
YIQ	122.3330, -52.8930, -93.2210

Conversions

Conversions Part 2

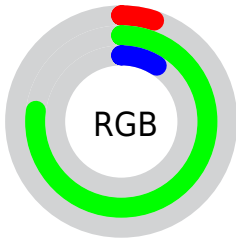
Format	Color
RYB	14, 189, 197
Decimal	967958
CIELab	69.53, -69.82, 65.76
CIELCh	70, 95.911, 136.717
Yxy	40.0838, 0.2993, 0.5912
Android (android.graphics.Color)	4279158038 (0xFF0EC516)
YUV	122.3330, -49.4642, -95.0080
Hunter-Lab	63.3118, -53.5826, 37.3657

Details

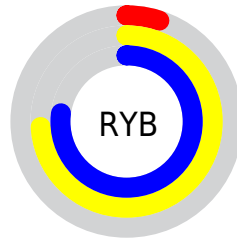
The Yxy color **40.0838, 0.2993, 0.5912** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **15.8661, 0.3311, 0.1622**, and the grayscale version is **19.7627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2723, 0.3103, 0.5378**, and **19.0498, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.9523, 0.2993, 0.5975**, and if you desaturate by 10%, it is **40.4289, 0.2993, 0.5757**.

Distribution



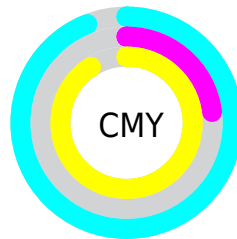
- Red (5%)
- Green (77%)
- Blue (9%)



- Red (5%)
- Yellow (74%)
- Blue (77%)



- Cyan (93%)
- Magenta (0%)
- Yellow (89%)
- Black (23%)





- Cyan (94%)
- Magenta (23%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0838, 0.2993, 0.5912 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 40.0838, 0.2993, 0.5912 by changing the saturation by 10% instead.

 40.0838, 0.2993,
0.5912


 40.0838, 0.2993,
0.5912


346.4766, 0.3183,
0.4478

 27.6039, 0.2892,
0.6278


 75.2911, 0.3099,
0.5376

 18.0273, 0.2731,
0.6734


 98.7873, 0.3128,
0.5178

 10.9696, 0.2496,
0.7391


 126.7243, 0.3147,
0.5012

 6.0464, 0.2026,
0.7974

 159.4867, 0.3160,
0.4871

 2.8733, 0.1087,
0.8913

 197.4587, 0.3170,
0.4751

 1.0659, 0.0000,
1.0000

 241.0247, 0.3176,

 0.0000, 0.0000,

0.4648

0.0000

290.5693, 0.3181,
0.4558

■ 40.0838, 0.2993,
0.5912

■ 40.0838, 0.2993,
0.5912

■ 39.9523, 0.2993,
0.5975

■ 40.4289, 0.2993,
0.5757

■ 41.0264, 0.2998,
0.5524

■ 41.9148, 0.3009,
0.5229

■ 43.1247, 0.3025,
0.4896

■ 44.6829, 0.3043,
0.4550

■ 46.6134, 0.3063,
0.4212

■ 48.9380, 0.3084,
0.3896

■ 51.6770, 0.3104,
0.3610

■ 54.8490, 0.3122,
0.3356

Harmonies

Analogous

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



40.0838, 0.4156, 0.5522



40.0838, 0.2993, 0.5912



40.0838, 0.1916, 0.4841

Triad

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



40.0838, 0.2993, 0.5912



40.0838, 0.1210, 0.1531



40.0838, 0.5389, 0.2909

Complementary

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



40.0838, 0.2993, 0.5912



15.8661, 0.3311, 0.1622

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.



40.0838, 0.4135, 0.2210



40.0838, 0.2993, 0.5912



40.0838, 0.1727, 0.1463

Square

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



40.0838, 0.2993, 0.5912



40.0838, 0.1052, 0.1996



40.0838, 0.2715, 0.1698



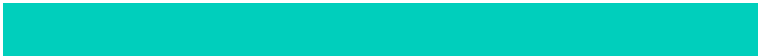
40.0838, 0.5730, 0.3684

Rectangle

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



40.0838, 0.2993, 0.5912



40.0838, 0.1413, 0.3644



40.0838, 0.2715, 0.1698



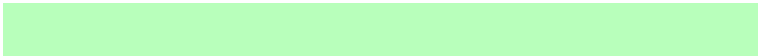
40.0838, 0.5047, 0.2665

Sweetspot

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



40.0855, 0.2993, 0.5912



85.2351, 0.3072, 0.4069



51.0296, 0.4125, 0.5072



17.8722, 0.3064, 0.4210



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.



40.0855, 0.2993, 0.5912



71.5441, 0.2995, 0.5982



41.1895, 0.2674, 0.4778



11.8952, 0.3110, 0.3518



26.2809, 0.2991, 0.5968



1.2470, 0.2960, 0.5857

Inverse Universe

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



15.8661, 0.3311, 0.1622



27.7921, 0.3322, 0.1604



13.0963, 0.4928, 0.2535



10.8084, 0.3144, 0.3072



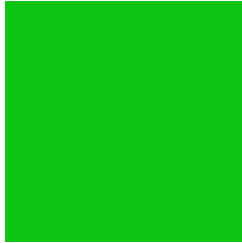
10.2135, 0.3319, 0.1602



0.4861, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 40.0838, 0.2993, 0.5912 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 40.0838, 0.2993, 0.5912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

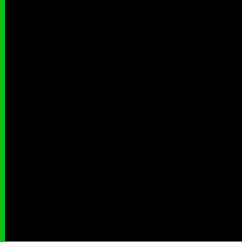
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0838, 0.2993, 0.5912

Background



This preview shows how black text looks on a background with the Yxy color 40.0838, 0.2993, 0.5912.



This preview shows how white text looks on a background with the Yxy color 40.0838, 0.2993, 0.5912.

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

40.0838, 0.2993, 0.5912

Protanopia

39.3450, 0.4389, 0.4867

Deuteranopia

39.1957, 0.4576, 0.4490



Tritanopia

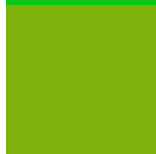
39.7832, 0.2362, 0.3061

Trichromacy



Original Color

40.0838, 0.2993, 0.5912



Protanomaly

36.7075, 0.3663, 0.5422



Deuteranomaly

35.5160, 0.3772, 0.5164



Tritanomaly

38.5872, 0.2631, 0.4224

Monochromacy



Original Color

40.0838, 0.2993, 0.5912



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

24.0058, 0.3041, 0.4564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0838, 0.2993, 0.5912 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(14, 197, 22)` looks like.

```
.text, #text, p{  
    color:rgb(14, 197, 22)  
}
```

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(14, 197, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 197, 22) }
```

Border

The CSS property to change the border of an element to Yxy 40.0838, 0.2993, 0.5912 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(14, 197, 22) }
```

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

```
.border{ border-color:rgb(14, 197, 22) }
```

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

Here you see how a box with a 4 pixel rgb(14, 197, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 197, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 197, 22);  
box-shadow:4px 4px 4px 4px rgb(14, 197,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0838, 0.2993, 0.5912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 197, 22) }
```

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

```
.background{ background-color: rgb(14, 197,  
22) }
```

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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