

Converting Colors

$Yxy(39.3444, 0.2824, 0.5953)$

Have a look what the booklet for
Yxy(39.3444, 0.2824, 0.5953)
contains.

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Color

Yxy(40.0423, 0.2960, 0.5856)

Conversions

Conversions Part 1

Format	Color
Hex	00C521
RGB	0, 197, 33
RGB Percent	0%, 77%, 13%
CMY	1.0000, 0.2274, 0.8708
CMYK	1.00, 0.00, 0.83, 0.23
HSL	130°, 100%, 39%
HSV	130°, 100%, 77%
XYZ	20.2400, 40.0423, 8.0960
YIQ	119.4010, -64.7680, -92.7680

Conversions

Conversions Part 2

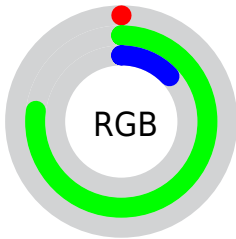
Format	Color
RYB	0, 169, 197
Decimal	50465
CIELab	69.50, -69.95, 63.31
CIELCh	69, 94.350, 137.853
Yxy	40.0423, 0.2960, 0.5856
Android (android.graphics.Color)	4278240545 (0xFF00C521)
YUV	119.4010, -42.5957, -104.7147
Hunter-Lab	63.2790, -53.6445, 36.7097

Details

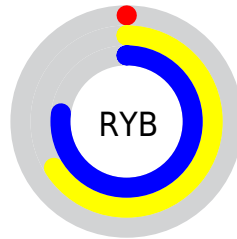
The Yxy color **40.0423, 0.2960, 0.5856** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **14.5536, 0.3685, 0.1804**, and the grayscale version is **18.7337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1939, 0.3071, 0.5329**, and **19.0498, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.0440, 0.2960, 0.5856**, and if you desaturate by 10%, it is **40.3048, 0.2942, 0.5697**.

Distribution



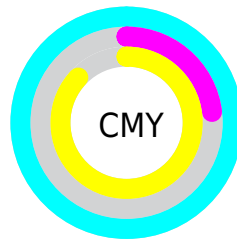
- Red (0%)
- Green (77%)
- Blue (13%)



- Red (0%)
- Yellow (66%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0423, 0.2960, 0.5856 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 40.0423, 0.2960, 0.5856 by changing the saturation by 10% instead.


 40.0423, 0.2960,
0.5856


 40.0423, 0.2960,
0.5856


346.3018, 0.3159,
0.4447

 27.5715, 0.2861,
0.6221


 75.2279, 0.3067,
0.5326


 18.0029, 0.2703,
0.6680


 98.7116, 0.3096,
0.5131

 10.9521, 0.2463,
0.7314


 126.6349, 0.3117,
0.4968

 6.0346, 0.2019,
0.7981

 159.3825, 0.3131,
0.4831

 2.8661, 0.1072,
0.8928

 197.3385, 0.3142,
0.4713

 1.0623, 0.0000,
1.0000


 240.8875, 0.3150,

 0.0000, 0.0000,

0.4612


0.0000

290.4138, 0.3155,
0.4524


 40.0423, 0.2960,
0.5856


 40.0423, 0.2960,
0.5856


 40.0440, 0.2960,
0.5856

 40.3048, 0.2942,
0.5697

 40.7641, 0.2930,
0.5479

 41.4790, 0.2929,
0.5212

 42.4808, 0.2939,
0.4914

 43.7964, 0.2959,
0.4604

■ 45.4492, 0.2987,
0.4298

■ 47.4608, 0.3020,
0.4008

■ 49.8507, 0.3055,
0.3741

■ 52.6371, 0.3091,
0.3502

Harmonies

Analogous

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



40.0423, 0.4112, 0.5529



40.0423, 0.2960, 0.5856



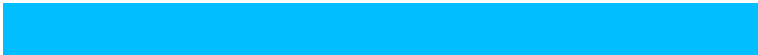
40.0423, 0.1902, 0.4748

Triad

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



40.0423, 0.2960, 0.5856



40.0423, 0.1242, 0.1542



40.0423, 0.5387, 0.2947

Complementary

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



40.0423, 0.2960, 0.5856



14.5536, 0.3685, 0.1804

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.



40.0423, 0.4176, 0.2248



40.0423, 0.2960, 0.5856



40.0423, 0.1772, 0.1486

Square

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



40.0423, 0.2960, 0.5856



40.0423, 0.1073, 0.1988



40.0423, 0.2769, 0.1730



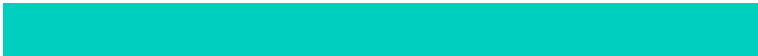
40.0423, 0.5691, 0.3721

Rectangle

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



40.0423, 0.2960, 0.5856



40.0423, 0.1414, 0.3577



40.0423, 0.2769, 0.1730



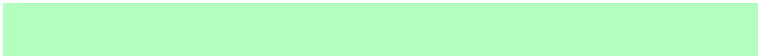
40.0423, 0.5061, 0.2703

Sweetspot

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



40.0440, 0.2960, 0.5856



84.8187, 0.3018, 0.4021



47.8452, 0.3901, 0.5285



17.8101, 0.3004, 0.4143



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.



40.0440, 0.2960, 0.5856



71.6918, 0.2965, 0.5873



41.5823, 0.2562, 0.4423



11.9163, 0.3094, 0.3488



26.3459, 0.2955, 0.5839



1.2567, 0.2857, 0.5486

Inverse Universe

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



14.5536, 0.3685, 0.1804



26.0318, 0.3694, 0.1808



12.2604, 0.5652, 0.2887



10.7850, 0.3163, 0.3100



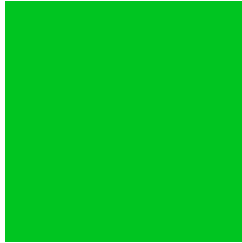
9.5827, 0.3678, 0.1800



0.4621, 0.3565, 0.1737

Previews

White Background



This preview shows how the Yxy color 40.0423, 0.2960, 0.5856 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 40.0423, 0.2960, 0.5856 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 40.0423, 0.2960, 0.5856

Background



This preview shows how black text looks on a background with the Yxy color 40.0423, 0.2960, 0.5856.



This preview shows how white text looks on a background with the Yxy color 40.0423, 0.2960, 0.5856.

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

40.0423, 0.2960, 0.5856

Protanopia

39.3933, 0.4360, 0.4825

Deuteranopia

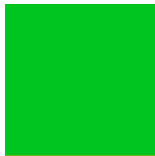
39.2475, 0.4546, 0.4452



Tritanopia

39.7380, 0.2357, 0.3061

Trichromacy



Original Color

40.0423, 0.2960, 0.5856



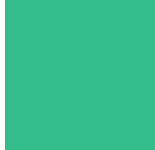
Protanomaly

36.3890, 0.3590, 0.5395



Deuteranomaly

35.1527, 0.3691, 0.5135



Tritanomaly

38.5315, 0.2587, 0.4155

Monochromacy



Original Color

40.0423, 0.2960, 0.5856



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

23.1085, 0.2965, 0.4515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0423, 0.2960, 0.5856 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, 197, 33)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 33)  
}
```

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, 197, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 33) }
```

Border

The CSS property to change the border of an element to Yxy 40.0423, 0.2960, 0.5856 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, 197, 33) }
```

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

```
.border{ border-color:rgb(0, 197, 33) }
```

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

Here you see how a box with a 4 pixel rgb(0, 197, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 33);  
box-shadow:4px 4px 4px 4px rgb(0, 197, 33)  
}
```


Background

The CSS property to change the background color of an element to Yxy 40.0423, 0.2960, 0.5856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 33) }
```

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

```
.background{ background-color: rgb(0, 197,  
33) }
```

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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