

Converting Colors

$Y_{xy}(40.1103, 0.2890, 0.5900)$

Have a look what the booklet for
Yxy(40.1103, 0.2890, 0.5900)
contains.

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Color

Yxy(40.5037, 0.2958, 0.5850)

Conversions

Conversions Part 1

Format	Color
Hex	00C622
RGB	0, 198, 34
RGB Percent	0%, 78%, 13%
CMY	1.0000, 0.2235, 0.8666
CMYK	1.00, 0.00, 0.83, 0.22
HSL	130°, 100%, 39%
HSV	130°, 100%, 78%
XYZ	20.4803, 40.5037, 8.2531
YIQ	120.1020, -65.3640, -92.9800

Conversions

Conversions Part 2

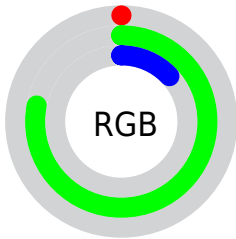
Format	Color
RYB	0, 169, 198
Decimal	50722
CIELab	69.83, -70.19, 63.34
CIELCh	70, 94.538, 137.937
Yxy	40.5037, 0.2958, 0.5850
Android (android.graphics.Color)	4278240802 (0xFF00C622)
YUV	120.1020, -42.4483, -105.3295
Hunter-Lab	63.6425, -53.9326, 36.8611

Details

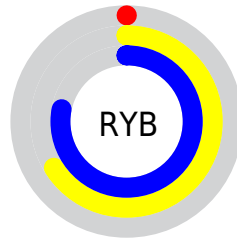
The Yxy color **40.5037, 0.2958, 0.5850** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **14.6866, 0.3700, 0.1812**, and the grayscale version is **18.9733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2117, 0.3067, 0.5319**, and **19.3460, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.5072, 0.2958, 0.5850**, and if you desaturate by 10%, it is **40.7722, 0.2939, 0.5689**.

Distribution



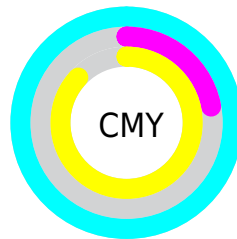
- Red (0%)
- Green (78%)
- Blue (13%)



- Red (0%)
- Yellow (66%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (22%)




- Cyan (100%)
- Magenta (22%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5037, 0.2958, 0.5850 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 40.5037, 0.2958, 0.5850 by changing the saturation by 10% instead.


 40.5037, 0.2958,
0.5850


 40.5037, 0.2958,
0.5850


348.2420, 0.3157,
0.4446

 27.9315, 0.2860,
0.6213


 75.9299, 0.3065,
0.5323

 18.2740, 0.2703,
0.6670


 99.5527, 0.3094,
0.5128

 11.1469, 0.2463,
0.7293


 127.6278, 0.3115,
0.4966


 6.1657, 0.2030,
0.7970

 160.5397, 0.3129,
0.4829

 2.9461, 0.1123,
0.8877

 198.6726, 0.3140,
0.4712

 1.1037, 0.0000,
1.0000

 242.4111, 0.3147,

 0.0000, 0.0000,

0.4611

0.0000

292.1394, 0.3153,
0.4523

■ 40.5037, 0.2958,
0.5850

■ 40.5037, 0.2958,
0.5850

■ 40.5072, 0.2958,
0.5850

■ 40.7722, 0.2939,
0.5689

■ 41.2379, 0.2927,
0.5471

■ 41.9617, 0.2926,
0.5204

■ 42.9753, 0.2936,
0.4906

■ 44.3058, 0.2957,
0.4597

■ 45.9770, 0.2985,
0.4292

■ 48.0106, 0.3018,
0.4004

■ 50.4262, 0.3054,
0.3739

■ 53.2423, 0.3091,
0.3501

Harmonies

Analogous

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



40.5037, 0.4109, 0.5528



40.5037, 0.2958, 0.5850



40.5037, 0.1902, 0.4741

Triad

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



40.5037, 0.2958, 0.5850



40.5037, 0.1245, 0.1544



40.5037, 0.5386, 0.2950

Complementary

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



40.5037, 0.2958, 0.5850



14.6866, 0.3700, 0.1812

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.



40.5037, 0.4178, 0.2251



40.5037, 0.2958, 0.5850



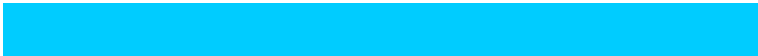
40.5037, 0.1776, 0.1488

Square

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



40.5037, 0.2958, 0.5850



40.5037, 0.1076, 0.1988



40.5037, 0.2773, 0.1733



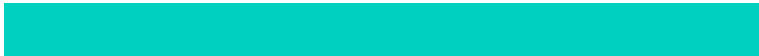
40.5037, 0.5687, 0.3724

Rectangle

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



40.5037, 0.2958, 0.5850



40.5037, 0.1415, 0.3572



40.5037, 0.2773, 0.1733



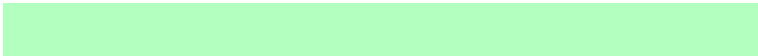
40.5037, 0.5061, 0.2706

Sweetspot

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



40.5072, 0.2958, 0.5850



84.8343, 0.3016, 0.4016



48.3916, 0.3900, 0.5285



17.8137, 0.3002, 0.4138



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.



40.5072, 0.2958, 0.5850



71.7005, 0.2963, 0.5867



42.0577, 0.2562, 0.4423



11.9171, 0.3093, 0.3487



26.3495, 0.2954, 0.5833



1.2571, 0.2854, 0.5473

Inverse Universe

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



14.6866, 0.3700, 0.1812



25.9724, 0.3709, 0.1817



12.4002, 0.5653, 0.2888



10.7841, 0.3163, 0.3101



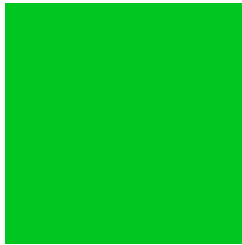
9.5614, 0.3693, 0.1808



0.4612, 0.3575, 0.1743

Previews

White Background



This preview shows how the Yxy color 40.5037, 0.2958, 0.5850 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 40.5037, 0.2958, 0.5850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

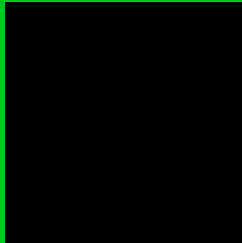
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

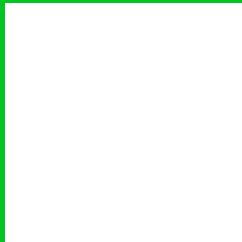
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5037, 0.2958, 0.5850

Background



This preview shows how black text looks on a background with the Yxy color 40.5037, 0.2958, 0.5850.



This preview shows how white text looks on a background with the Yxy color 40.5037, 0.2958, 0.5850.

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

40.5037, 0.2958, 0.5850

Protanopia

39.9004, 0.4357, 0.4823

Deuteranopia

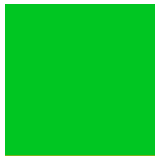
39.7531, 0.4540, 0.4450



Tritanopia

40.1983, 0.2356, 0.3062

Trichromacy



Original Color

40.5037, 0.2958, 0.5850



Protanomaly

36.8688, 0.3591, 0.5388



Deuteranomaly

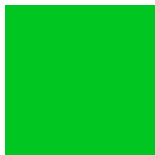
35.6282, 0.3690, 0.5128



Tritanomaly

38.9893, 0.2584, 0.4151

Monochromacy



Original Color

40.5037, 0.2958, 0.5850



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

23.4376, 0.2958, 0.4509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5037, 0.2958, 0.5850 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, 198, 34)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 34)  
}
```

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, 198, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 34) }
```

Border

The CSS property to change the border of an element to Yxy 40.5037, 0.2958, 0.5850 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, 198, 34) }
```

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

```
.border{ border-color:rgb(0, 198, 34) }
```

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

Here you see how a box with a 4 pixel rgb(0, 198, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 34);  
box-shadow:4px 4px 4px 4px rgb(0, 198, 34)  
}
```


Background

The CSS property to change the background color of an element to Yxy 40.5037, 0.2958, 0.5850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 34) }
```

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

```
.background{ background-color: rgb(0, 198,  
34) }
```

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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