

Converting Colors

$Y_{xy}(39.4061, 0.2773, 0.5513)$

Have a look what the booklet for
Yxy(39.4061, 0.2773, 0.5513)
contains.

Yxy(39.9095, 0.2853, 0.5470)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.9095, 0.2853, 0.5470)

Conversions

Conversions Part 1

Format	Color
Hex	00C445
RGB	0, 196, 69
RGB Percent	0%, 77%, 27%
CMY	0.9993, 0.2314, 0.7294
CMYK	1.00, 0.00, 0.65, 0.23
HSL	141°, 100%, 38%
HSV	141°, 100%, 77%
XYZ	20.8157, 39.9095, 12.2355
YIQ	122.9180, -76.0490, -81.0490

Conversions

Conversions Part 2

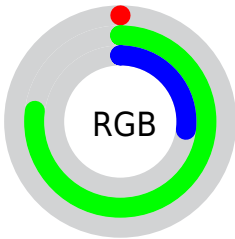
Format	Color
RYB	0, 145, 196
Decimal	50245
CIELab	69.41, -66.74, 50.74
CIELCh	69, 83.837, 142.757
Yxy	39.9095, 0.2853, 0.5470
Android (android.graphics.Color)	4278240325 (0xFF00C445)
YUV	122.9180, -26.5816, -107.7991
Hunter-Lab	63.1740, -51.7391, 32.7385

Details

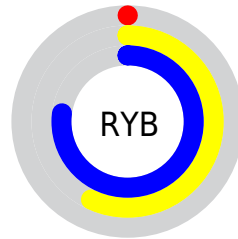
The Yxy color **39.9095, 0.2853, 0.5470** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **13.2774, 0.4349, 0.2170**, and the grayscale version is **19.9069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0555, 0.2956, 0.5006**, and **18.7715, 0.2988, 0.5956** is the 20% darker color. If you saturate the color by 10%, you get **39.9084, 0.2853, 0.5472**, and if you desaturate by 10%, it is **40.2316, 0.2822, 0.5271**.

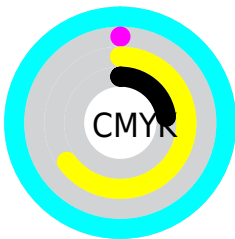
Distribution



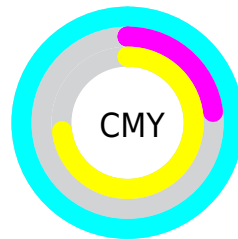
- Red (0%)
- Green (77%)
- Blue (27%)



- Red (0%)
- Yellow (57%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (23%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9095, 0.2853, 0.5470 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 39.9095, 0.2853, 0.5470 by changing the saturation by 10% instead.


 39.9095, 0.2853,
0.5470


 39.9095, 0.2853,
0.5470


345.7420, 0.3068,
0.4259

 27.4680, 0.2767,
0.5801


 75.0257, 0.2954,
0.5005

 17.9250, 0.2635,
0.6235


 98.4691, 0.2984,
0.4838


 10.8962, 0.2422,
0.6813


 126.3487, 0.3008,
0.4699

 5.9971, 0.2138,
0.7862

 159.0488, 0.3026,
0.4582

 2.8433, 0.1267,
0.8733

 196.9538, 0.3040,
0.4483

 1.0505, 0.0000,
1.0000

240.4480, 0.3051,

 0.0000, 0.0000,

0.4398

0.0000

289.9160, 0.3060,
0.4324

■ 39.9095, 0.2853,
0.5470

■ 39.9095, 0.2853,
0.5470

■ 39.9084, 0.2853,
0.5472

■ 40.2316, 0.2822,
0.5271

■ 40.7350, 0.2803,
0.5046

■ 41.4742, 0.2803,
0.4803

■ 42.4775, 0.2819,
0.4552

■ 43.7690, 0.2851,
0.4303

■ 45.3700, 0.2895,
0.4064

■ 47.3000, 0.2947,
0.3841

■ 49.5764, 0.3005,
0.3637

■ 52.2156, 0.3066,
0.3452

Harmonies

Analogous

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



39.9095, 0.3923, 0.5442



39.9095, 0.2853, 0.5470



39.9095, 0.1907, 0.4326

Triad

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



39.9095, 0.2853, 0.5470



39.9095, 0.1441, 0.1655



39.9095, 0.5262, 0.3125

Complementary

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



39.9095, 0.2853, 0.5470



13.2774, 0.4349, 0.2170

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.



39.9095, 0.4280, 0.2444



39.9095, 0.2853, 0.5470



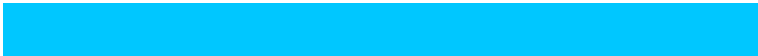
39.9095, 0.2012, 0.1643

Square

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



39.9095, 0.2853, 0.5470



39.9095, 0.1230, 0.2020



39.9095, 0.3005, 0.1918



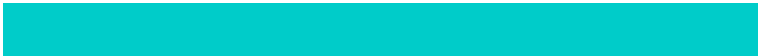
39.9095, 0.5431, 0.3879

Rectangle

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



39.9095, 0.2853, 0.5470



39.9095, 0.1491, 0.3333



39.9095, 0.3005, 0.1918



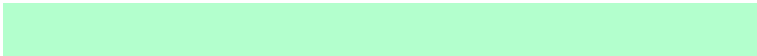
39.9095, 0.5011, 0.2888

Sweetspot

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



39.9111, 0.2853, 0.5470



85.4705, 0.2944, 0.3853



44.0287, 0.3589, 0.5532



17.9609, 0.2921, 0.3947



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.



39.9111, 0.2853, 0.5470



72.2515, 0.2861, 0.5499



42.2578, 0.2381, 0.3771



11.3160, 0.3069, 0.3443



25.6575, 0.2846, 0.5446



1.1218, 0.2715, 0.4975

Inverse Universe

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



13.2774, 0.4349, 0.2170



23.9910, 0.4372, 0.2182



11.8316, 0.6199, 0.3189



10.1855, 0.3190, 0.3142



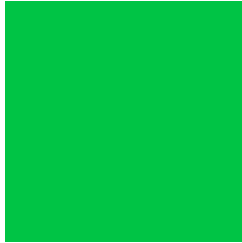
8.5443, 0.4330, 0.2159



0.3818, 0.4019, 0.1988

Previews

White Background



This preview shows how the Yxy color 39.9095, 0.2853, 0.5470 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 39.9095, 0.2853, 0.5470 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

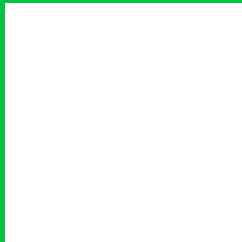
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9095, 0.2853, 0.5470

Background



This preview shows how black text looks on a background with the Yxy color 39.9095, 0.2853, 0.5470.



This preview shows how white text looks on a background with the Yxy color 39.9095, 0.2853, 0.5470.

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

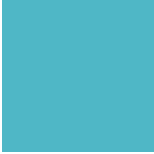
39.9095, 0.2853, 0.5470

Protanopia

39.0336, 0.4202, 0.4609

Deuteranopia

38.9862, 0.4332, 0.4249



Tritanopia

39.6065, 0.2345, 0.3060

Trichromacy



Original Color

39.9095, 0.2853, 0.5470



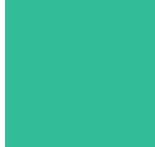
Protanomaly

36.2040, 0.3447, 0.5075



Deuteranomaly

35.3145, 0.3511, 0.4813



Tritanomaly

38.8789, 0.2508, 0.3918

Monochromacy



Original Color

39.9095, 0.2853, 0.5470



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

24.4117, 0.2865, 0.4239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9095, 0.2853, 0.5470 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 69) }
```

Border

The CSS property to change the border of an element to Yxy 39.9095, 0.2853, 0.5470 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, 69) }
```

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

```
.border{ border-color:rgb(0, 196, 69) }
```

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, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 196, 69)  
}
```


Background

The CSS property to change the background color of an element to Yxy 39.9095, 0.2853, 0.5470 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, 69) }
```

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

```
.background{ background-color: rgb(0, 196,  
69) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor