

Converting Colors

$Y_{xy}(38.7854, 0.2569, 0.5423)$

Have a look what the booklet for
Yxy(38.7854, 0.2569, 0.5423)
contains.

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Color

Yxy(40.5266, 0.2806, 0.5301)

Conversions

Conversions Part 1

Format	Color
Hex	00C551
RGB	0, 197, 81
RGB Percent	0%, 77%, 32%
CMY	0.9994, 0.2274, 0.6824
CMYK	1.00, 0.00, 0.59, 0.23
HSL	145°, 100%, 39%
HSV	145°, 100%, 77%
XYZ	21.4521, 40.5266, 14.4721
YIQ	124.8730, -80.1760, -77.8400

Conversions

Conversions Part 2

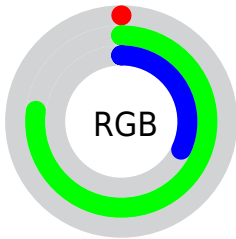
Format	Color
RYB	0, 140, 197
Decimal	50513
CIELab	69.84, -65.59, 45.94
CIELCh	70, 80.075, 144.993
Yxy	40.5266, 0.2806, 0.5301
Android (android.graphics.Color)	4278240593 (0xFF00C551)
YUV	124.8730, -21.6294, -109.5136
Hunter-Lab	63.6605, -51.2555, 31.0838

Details

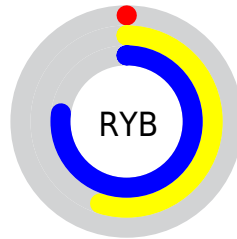
The Yxy color **40.5266, 0.2806, 0.5301** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **13.1386, 0.4590, 0.2303**, and the grayscale version is **20.5727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9506, 0.2903, 0.4866**, and **19.1336, 0.2937, 0.5772** is the 20% darker color. If you saturate the color by 10%, you get **40.5260, 0.2806, 0.5302**, and if you desaturate by 10%, it is **40.8637, 0.2774, 0.5105**.

Distribution



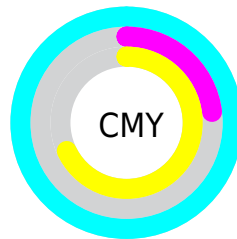
- Red (0%)
- Green (77%)
- Blue (32%)



- Red (0%)
- Yellow (55%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5266, 0.2806, 0.5301 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 40.5266, 0.2806, 0.5301 by changing the saturation by 10% instead.


 40.5266, 0.2806,
0.5301


 40.5266, 0.2806,
0.5301


348.3381, 0.3032,
0.4185

 27.9494, 0.2723,
0.5609


 75.9647, 0.2906,
0.4871


 18.2875, 0.2600,
0.6018


 99.5944, 0.2938,
0.4717

 11.1566, 0.2405,
0.6572


 127.6771, 0.2963,
0.4589

 6.1723, 0.2106,
0.7430

 160.5970, 0.2983,
0.4482

 2.9501, 0.1416,
0.8584

 198.7387, 0.2999,
0.4391

 1.1057, 0.0000,
1.0000

242.4865, 0.3012,

 0.0000, 0.0000,

0.4313

0.0000

292.2249, 0.3023,
0.4245

■ 40.5266, 0.2806,
0.5301

■ 40.5266, 0.2806,
0.5301

■ 40.5260, 0.2806,
0.5302

■ 40.8637, 0.2774,
0.5105

■ 41.3792, 0.2757,
0.4890

■ 42.1275, 0.2759,
0.4663

■ 43.1369, 0.2779,
0.4433

■ 44.4314, 0.2816,
0.4207

■ 46.0322, 0.2865,
0.3991

■ 47.9585, 0.2923,
0.3789

■ 50.2278, 0.2989,
0.3604

■ 52.8562, 0.3057,
0.3438

Harmonies

Analogous

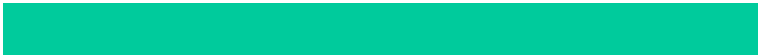
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.5266, 0.3839, 0.5385



40.5266, 0.2806, 0.5301



40.5266, 0.1911, 0.4166

Triad

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



40.5266, 0.2806, 0.5301



40.5266, 0.1530, 0.1705



40.5266, 0.5203, 0.3198

Complementary

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



40.5266, 0.2806, 0.5301



13.1386, 0.4590, 0.2303

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.



40.5266, 0.4314, 0.2527



40.5266, 0.2806, 0.5301



40.5266, 0.2116, 0.1712

Square

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



40.5266, 0.2806, 0.5301



40.5266, 0.1300, 0.2036



40.5266, 0.3101, 0.2000



40.5266, 0.5320, 0.3940

Rectangle

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



40.5266, 0.2806, 0.5301



40.5266, 0.1525, 0.3243



40.5266, 0.3101, 0.2000



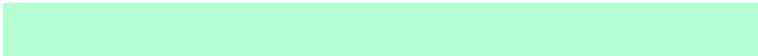
40.5266, 0.4981, 0.2965

Sweetspot

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



40.5283, 0.2806, 0.5301



85.6931, 0.2920, 0.3800



43.8036, 0.3509, 0.5595



18.0130, 0.2894, 0.3884



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.



40.5283, 0.2806, 0.5301



72.5340, 0.2814, 0.5330



43.1214, 0.2334, 0.3603



11.9589, 0.3061, 0.3429



26.6709, 0.2799, 0.5278



1.2772, 0.2682, 0.4853

Inverse Universe

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



13.1386, 0.4590, 0.2303



23.4713, 0.4618, 0.2317



11.9237, 0.6290, 0.3239



10.7401, 0.3199, 0.3155



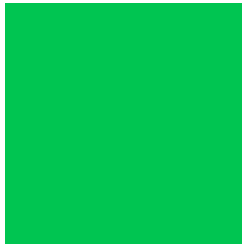
8.6556, 0.4568, 0.2290



0.4240, 0.4211, 0.2094

Previews

White Background



This preview shows how the Yxy color 40.5266, 0.2806, 0.5301 looks on a white background.

Color Contrast Check

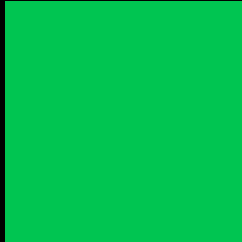
Large Text (above 18pt) WCAG AA × Fail

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 40.5266, 0.2806, 0.5301 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 40.5266, 0.2806, 0.5301

Background



This preview shows how black text looks on a background with the Yxy color 40.5266, 0.2806, 0.5301.



This preview shows how white text looks on a background with the Yxy color 40.5266, 0.2806, 0.5301.

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

40.5266, 0.2806, 0.5301

Protanopia

39.9219, 0.4111, 0.4519

Deuteranopia

39.5105, 0.4237, 0.4147



Tritanopia

40.4878, 0.2338, 0.3062

Trichromacy



Original Color

40.5266, 0.2806, 0.5301



Protanomaly

37.1574, 0.3374, 0.4941



Deuteranomaly

35.8658, 0.3434, 0.4671



Tritanomaly

39.5076, 0.2479, 0.3825

Monochromacy



Original Color

40.5266, 0.2806, 0.5301



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.9428, 0.2834, 0.4126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5266, 0.2806, 0.5301 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 81) }
```

Border

The CSS property to change the border of an element to Yxy 40.5266, 0.2806, 0.5301 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, 81) }
```

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

```
.border{ border-color:rgb(0, 197, 81) }
```

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, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 81);  
box-shadow:4px 4px 4px 4px rgb(0, 197, 81)  
}
```


Background

The CSS property to change the background color of an element to Yxy 40.5266, 0.2806, 0.5301 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, 81) }
```

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

```
.background{ background-color: rgb(0, 197,  
81) }
```

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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