

Converting Colors

$Y_{xy}(41.3953, 0.2675, 0.4829)$

Have a look what the booklet for
Yxy(41.3953, 0.2675, 0.4829)
contains.

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Color

Yxy(41.5140, 0.2673, 0.4823)

Conversions

Conversions Part 1

Format	Color
Hex	00C66E
RGB	0, 198, 110
RGB Percent	0%, 78%, 43%
CMY	1.0000, 0.2235, 0.5686
CMYK	1.00, 0.00, 0.44, 0.22
HSL	153°, 100%, 39%
HSV	153°, 100%, 78%
XYZ	23.0079, 41.5140, 21.5532
YIQ	128.7660, -89.7600, -69.3440

Conversions

Conversions Part 2

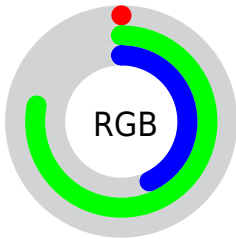
Format	Color
RYB	0, 127, 198
Decimal	50798
CIELab	70.53, -61.38, 32.64
CIELCh	71, 69.518, 151.999
Yxy	41.5140, 0.2673, 0.4823
Android (android.graphics.Color)	4278240878 (0xFF00C66E)
YUV	128.7660, -9.2516, -112.9278
Hunter-Lab	64.4314, -49.0141, 25.2686

Details

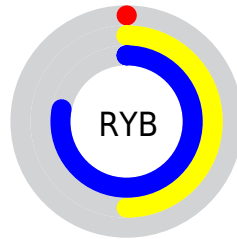
The Yxy color **41.5140, 0.2673, 0.4823** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **12.7110, 0.5205, 0.2641**, and the grayscale version is **21.9244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8737, 0.2777, 0.4483**, and **19.9712, 0.2786, 0.5231** is the 20% darker color. If you saturate the color by 10%, you get **41.5162, 0.2673, 0.4823**, and if you desaturate by 10%, it is **41.8642, 0.2648, 0.4658**.

Distribution



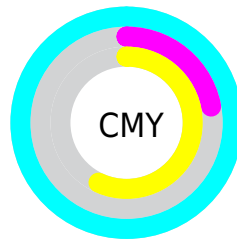
- Red (0%)
- Green (78%)
- Blue (43%)



- Red (0%)
- Yellow (50%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5140, 0.2673, 0.4823 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 41.5140, 0.2673, 0.4823 by changing the saturation by 10% instead.


 41.5140, 0.2673,
0.4823

 41.5140, 0.2673,
0.4823


352.4643, 0.2938,
0.3979


 28.7209, 0.2593,
0.5059


 77.4636, 0.2779,
0.4498

 18.8698, 0.2481,
0.5376


 101.3888, 0.2816,
0.4381

 11.5762, 0.2316,
0.5819


 129.7936, 0.2846,
0.4285

 6.4558, 0.2056,
0.6473

 163.0623, 0.2871,
0.4204

 3.1242, 0.1664,
0.7850

 201.5794, 0.2892,
0.4135

 1.1969, 0.0000,
1.0000


245.7291, 0.2910,


 0.0592, 0.0000,


0.4076


1.0000


295.8960, 0.2925,
0.4024


 0.0000, 0.0000,
0.0000


 41.5140, 0.2673,
0.4823


 41.5140, 0.2673,
0.4823


 41.5162, 0.2673,
0.4823

 41.8642, 0.2648,
0.4658

 42.3816, 0.2639,
0.4487

 43.1215, 0.2650,
0.4313

 44.1119, 0.2681,
0.4140

 45.3763, 0.2729,
0.3972

■ 46.9356, 0.2792,
0.3812

■ 48.8085, 0.2866,
0.3663

■ 51.0122, 0.2949,
0.3526

■ 53.5624, 0.3036,
0.3402

Harmonies

Analogous

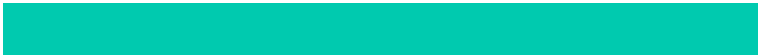
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.5140, 0.3592, 0.5163



41.5140, 0.2673, 0.4823



41.5140, 0.1929, 0.3767

Triad

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



41.5140, 0.2673, 0.4823



41.5140, 0.1796, 0.1853



41.5140, 0.5019, 0.3400

Complementary

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



41.5140, 0.2673, 0.4823



12.7110, 0.5205, 0.2641

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.



41.5140, 0.4379, 0.2760



41.5140, 0.2673, 0.4823



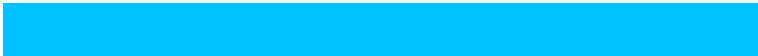
41.5140, 0.2416, 0.1917

Square

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



41.5140, 0.2673, 0.4823



41.5140, 0.1510, 0.2091



41.5140, 0.3357, 0.2236



41.5140, 0.5001, 0.4091

Rectangle

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



41.5140, 0.2673, 0.4823



41.5140, 0.1629, 0.3028



41.5140, 0.3357, 0.2236



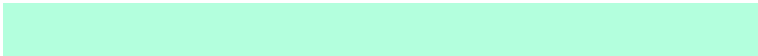
41.5140, 0.4874, 0.3179

Sweetspot

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



41.5162, 0.2673, 0.4823



86.2648, 0.2862, 0.3670



42.5192, 0.3297, 0.5764



18.1478, 0.2830, 0.3732



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.



41.5162, 0.2673, 0.4823



73.4631, 0.2680, 0.4846



40.0885, 0.2204, 0.3133



11.9849, 0.3042, 0.3395



27.0151, 0.2667, 0.4801



1.2936, 0.2570, 0.4454

Inverse Universe

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



12.7110, 0.5205, 0.2641



22.4597, 0.5240, 0.2660



12.2213, 0.6368, 0.3326



10.7140, 0.3221, 0.3188



8.2825, 0.5173, 0.2623



0.4067, 0.4661, 0.2341

Previews

White Background



This preview shows how the Yxy color 41.5140, 0.2673, 0.4823 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 41.5140, 0.2673, 0.4823 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 41.5140, 0.2673, 0.4823

Background



This preview shows how black text looks on a background with the Yxy color 41.5140, 0.2673, 0.4823.



This preview shows how white text looks on a background with the Yxy color 41.5140, 0.2673, 0.4823.

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

41.5140, 0.2673, 0.4823

Protanopia

40.7373, 0.3906, 0.4231

Deuteranopia

40.6963, 0.3949, 0.3878



Tritanopia

41.3083, 0.2315, 0.3049

Trichromacy



Original Color

41.5140, 0.2673, 0.4823



Protanomaly

38.0403, 0.3193, 0.4537



Deuteranomaly

37.0343, 0.3207, 0.4269



Tritanomaly

40.7305, 0.2415, 0.3647

Monochromacy



Original Color

41.5140, 0.2673, 0.4823



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.3102, 0.2753, 0.3905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5140, 0.2673, 0.4823 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, 110)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 110) }
```

Border

The CSS property to change the border of an element to Yxy 41.5140, 0.2673, 0.4823 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, 110) }
```

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

```
.border{ border-color:rgb(0, 198, 110) }
```

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, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 110);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5140, 0.2673, 0.4823 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, 110) }
```

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

```
.background{ background-color: rgb(0, 198,  
110) }
```

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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