

Converting Colors

$Y_{xy}(40.7886, 0.2626, 0.4654)$

Have a look what the booklet for
Yxy(40.7886, 0.2626, 0.4654)
contains.

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Color

Yxy(40.7879, 0.2627, 0.4656)

Conversions

Conversions Part 1

Format	Color
Hex	00C476
RGB	0, 196, 118
RGB Percent	0%, 77%, 46%
CMY	0.9987, 0.2314, 0.5372
CMYK	1.00, 0.00, 0.40, 0.23
HSL	156°, 100%, 38%
HSV	156°, 100%, 77%
XYZ	23.0133, 40.7879, 23.8017
YIQ	128.5040, -91.7780, -65.8100

Conversions

Conversions Part 2

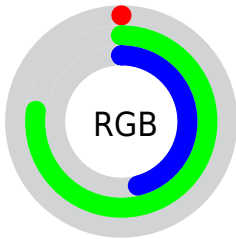
Format	Color
RYB	0, 122, 196
Decimal	50294
CIELab	70.03, -59.17, 27.84
CIELCh	70, 65.392, 154.800
Yxy	40.7879, 0.2627, 0.4656
Android (android.graphics.Color)	4278240374 (0xFF00C476)
YUV	128.5040, -5.1785, -112.6980
Hunter-Lab	63.8654, -47.4437, 22.6093

Details

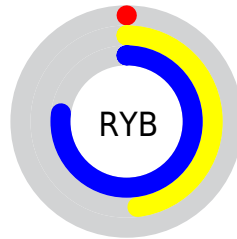
The Yxy color **40.7879, 0.2627, 0.4656** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **12.2975, 0.5389, 0.2744**, and the grayscale version is **21.8497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4765, 0.2737, 0.4366**, and **19.4794, 0.2724, 0.5006** is the 20% darker color. If you saturate the color by 10%, you get **40.7842, 0.2627, 0.4659**, and if you desaturate by 10%, it is **41.1289, 0.2605, 0.4506**.

Distribution



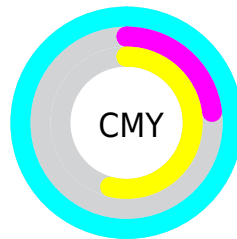
- Red (0%)
- Green (77%)
- Blue (46%)



- Red (0%)
- Yellow (48%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7879, 0.2627, 0.4656 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 40.7879, 0.2627, 0.4656 by changing the saturation by 10% instead.

 40.7879, 0.2627,
0.4656


 40.7879, 0.2627,
0.4656


349.4334, 0.2909,
0.3905


 28.1534, 0.2545,
0.4866


 76.3618, 0.2738,
0.4366

 18.4413, 0.2433,
0.5150


 100.0700, 0.2777,
0.4263


 11.2673, 0.2270,
0.5550


 128.2382, 0.2809,
0.4177

 6.2469, 0.2020,
0.6149

 161.2508, 0.2836,
0.4105

 2.9958, 0.1607,
0.7261

 199.4923, 0.2858,
0.4044

 1.1295, 0.0000,
1.0000

243.3469, 0.2878,

 0.0030, 0.0000,

0.3991

1.0000

293.1991, 0.2895,
0.3945

■ 0.0000, 0.0000,
0.0000

■ 40.7879, 0.2627,
0.4656

■ 40.7879, 0.2627,
0.4656

■ 40.7842, 0.2627,
0.4659

■ 41.1289, 0.2605,
0.4506

■ 41.6320, 0.2601,
0.4352

■ 42.3494, 0.2616,
0.4197

■ 43.3082, 0.2651,
0.4044

■ 44.5311, 0.2703,
0.3895

■ 46.0383, 0.2771,
0.3753

■ 47.8480, 0.2850,
0.3621

■ 49.9766, 0.2938,
0.3499

■ 52.4395, 0.3032,
0.3388

Harmonies

Analogous

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



40.7879, 0.3502, 0.5066



40.7879, 0.2627, 0.4656



40.7879, 0.1938, 0.3642

Triad

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



40.7879, 0.2627, 0.4656



40.7879, 0.1895, 0.1908



40.7879, 0.4947, 0.3469

Complementary

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



40.7879, 0.2627, 0.4656



12.2975, 0.5389, 0.2744

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.



40.7879, 0.4392, 0.2843



40.7879, 0.2627, 0.4656



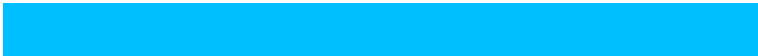
40.7879, 0.2525, 0.1993

Square

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



40.7879, 0.2627, 0.4656



40.7879, 0.1589, 0.2113



40.7879, 0.3441, 0.2322



40.7879, 0.4885, 0.4136

Rectangle

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



40.7879, 0.2627, 0.4656



40.7879, 0.1669, 0.2963



40.7879, 0.3441, 0.2322



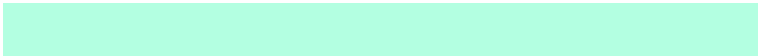
40.7879, 0.4828, 0.3254

Sweetspot

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



40.7895, 0.2627, 0.4656



86.4537, 0.2844, 0.3629



41.1250, 0.3239, 0.5809



18.1927, 0.2810, 0.3685



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.



40.7895, 0.2627, 0.4656



73.8318, 0.2634, 0.4681



35.2079, 0.2159, 0.2972



11.3583, 0.3036, 0.3383



26.2235, 0.2622, 0.4638



1.1463, 0.2528, 0.4302

Inverse Universe

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



12.2975, 0.5389, 0.2744



22.2122, 0.5432, 0.2766



12.2331, 0.6322, 0.3360



10.1429, 0.3228, 0.3199



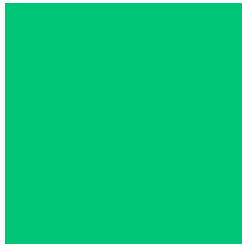
7.9113, 0.5358, 0.2725



0.3554, 0.4768, 0.2400

Previews

White Background



This preview shows how the Yxy color 40.7879, 0.2627, 0.4656 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 40.7879, 0.2627, 0.4656 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 40.7879, 0.2627, 0.4656

Background



This preview shows how black text looks on a background with the Yxy color 40.7879, 0.2627, 0.4656.

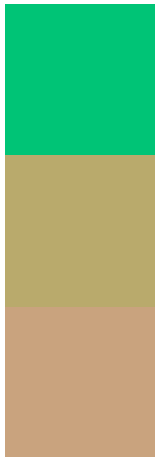


This preview shows how white text looks on a background with the Yxy color 40.7879, 0.2627, 0.4656.

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

40.7879, 0.2627, 0.4656

Protanopia

40.1464, 0.3815, 0.4130

Deuteranopia

40.1183, 0.3849, 0.3771



Tritanopia

40.6745, 0.2311, 0.3061

Trichromacy



Original Color

40.7879, 0.2627, 0.4656



Protanomaly

37.2616, 0.3123, 0.4389



Deuteranomaly

36.6792, 0.3130, 0.4129



Tritanomaly

40.3251, 0.2396, 0.3598

Monochromacy



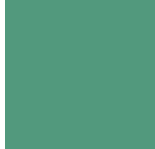
Original Color

40.7879, 0.2627, 0.4656



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.0570, 0.2728, 0.3827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7879, 0.2627, 0.4656 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 118) }
```

Border

The CSS property to change the border of an element to Yxy 40.7879, 0.2627, 0.4656 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, 118) }
```

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

```
.border{ border-color:rgb(0, 196, 118) }
```

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, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7879, 0.2627, 0.4656 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, 118) }
```

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

```
.background{ background-color: rgb(0, 196,  
118) }
```

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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