

Converting Colors

$Y_{xy}(43.2850, 0.2645, 0.4722)$

Have a look what the booklet for
Yxy(43.2850, 0.2645, 0.4722)
contains.

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Color

Yxy(43.0813, 0.2642, 0.4712)

Conversions

Conversions Part 1

Format	Color
Hex	00C976
RGB	0, 201, 118
RGB Percent	0%, 79%, 46%
CMY	1.0000, 0.2117, 0.5371
CMYK	1.00, 0.00, 0.41, 0.21
HSL	155°, 100%, 39%
HSV	155°, 100%, 79%
XYZ	24.1555, 43.0813, 24.1921
YIQ	131.4390, -93.1530, -68.4250

Conversions

Conversions Part 2

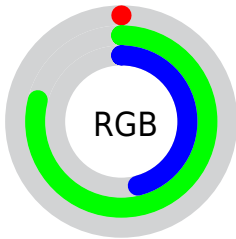
Format	Color
RYB	0, 127, 201
Decimal	51574
CIELab	71.61, -60.92, 29.92
CIELCh	72, 67.869, 153.844
Yxy	43.0813, 0.2642, 0.4712
Android (android.graphics.Color)	4278241654 (0xFF00C976)
YUV	131.4390, -6.6254, -115.2720
Hunter-Lab	65.6363, -49.1720, 24.0925

Details

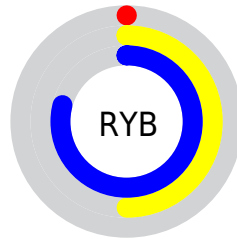
The Yxy color **43.0813, 0.2642, 0.4712** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.0424, 0.5340, 0.2715**, and the grayscale version is **22.9140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2270, 0.2745, 0.4373**, and **20.6682, 0.2744, 0.5077** is the 20% darker color. If you saturate the color by 10%, you get **43.0848, 0.2642, 0.4712**, and if you desaturate by 10%, it is **43.4407, 0.2619, 0.4557**.

Distribution



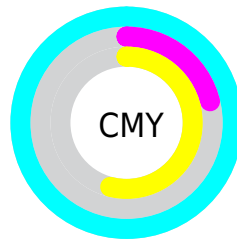
- Red (0%)
- Green (79%)
- Blue (46%)



- Red (0%)
- Yellow (50%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.0813, 0.2642, 0.4712 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 43.0813, 0.2642, 0.4712 by changing the saturation by 10% instead.


 43.0813, 0.2642,
0.4712


 43.0813, 0.2642,
0.4712


358.9460, 0.2917,
0.3935


 29.9489, 0.2562,
0.4927


 79.8335, 0.2750,
0.4414


 19.7998, 0.2453,
0.5215


 104.2222, 0.2788,
0.4307


 12.2496, 0.2295,
0.5618


 133.1317, 0.2819,
0.4218

 6.9139, 0.2052,
0.6211

 166.9464, 0.2845,
0.4144

 3.4083, 0.1671,
0.7239

 206.0508, 0.2867,
0.4080

 1.3484, 0.0000,
1.0000

250.8293, 0.2886,

 0.1782, 0.0000,

0.4025

1.0000

301.6662, 0.2902,
0.3977

■ 0.0000, 0.0000,
0.0000

■ 43.0813, 0.2642,
0.4712

■ 43.0813, 0.2642,
0.4712

■ 43.0848, 0.2642,
0.4712

■ 43.4407, 0.2619,
0.4557

■ 43.9700, 0.2612,
0.4398

■ 44.7270, 0.2626,
0.4236

■ 45.7406, 0.2659,
0.4077

■ 47.0354, 0.2710,
0.3922

■ 48.6327, 0.2776,
0.3774

■ 50.5519, 0.2854,
0.3636

■ 52.8107, 0.2940,
0.3509

■ 55.4255, 0.3032,
0.3394

Harmonies

Analogous

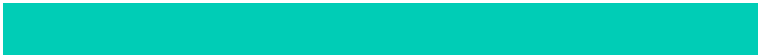
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.0813, 0.3533, 0.5100



43.0813, 0.2642, 0.4712



43.0813, 0.1935, 0.3682

Triad

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



43.0813, 0.2642, 0.4712



43.0813, 0.1861, 0.1889



43.0813, 0.4972, 0.3446

Complementary

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



43.0813, 0.2642, 0.4712



13.0424, 0.5340, 0.2715

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.



43.0813, 0.4389, 0.2815



43.0813, 0.2642, 0.4712



43.0813, 0.2489, 0.1967

Square

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



43.0813, 0.2642, 0.4712



43.0813, 0.1562, 0.2105



43.0813, 0.3414, 0.2293



43.0813, 0.4925, 0.4122

Rectangle

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



43.0813, 0.2642, 0.4712



43.0813, 0.1655, 0.2984



43.0813, 0.3414, 0.2293



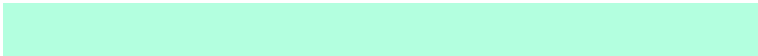
43.0813, 0.4845, 0.3229

Sweetspot

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



43.0848, 0.2642, 0.4712



86.3948, 0.2850, 0.3642



43.6494, 0.3256, 0.5796



18.1787, 0.2816, 0.3700



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.



43.0848, 0.2642, 0.4712



73.7137, 0.2648, 0.4733



38.6045, 0.2174, 0.3026



11.9906, 0.3038, 0.3387



27.1070, 0.2636, 0.4690



1.2977, 0.2546, 0.4365

Inverse Universe

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



13.0424, 0.5340, 0.2715



22.2852, 0.5374, 0.2734



12.8115, 0.6343, 0.3346



10.7083, 0.3226, 0.3195



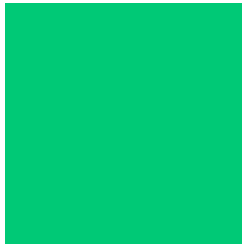
8.2173, 0.5303, 0.2695



0.4034, 0.4763, 0.2398

Previews

White Background



This preview shows how the Yxy color 43.0813, 0.2642, 0.4712 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 43.0813, 0.2642, 0.4712 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 43.0813, 0.2642, 0.4712

Background



This preview shows how black text looks on a background with the Yxy color 43.0813, 0.2642, 0.4712.



This preview shows how white text looks on a background with the Yxy color 43.0813, 0.2642, 0.4712.

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

43.0813, 0.2642, 0.4712

Protanopia

42.2808, 0.3852, 0.4173

Deuteranopia

42.2656, 0.3880, 0.3810



Tritanopia

43.1343, 0.2312, 0.3067

Trichromacy



Original Color

43.0813, 0.2642, 0.4712



Protanomaly

39.4936, 0.3149, 0.4459



Deuteranomaly

38.4956, 0.3152, 0.4176



Tritanomaly

42.6670, 0.2402, 0.3624

Monochromacy



Original Color

43.0813, 0.2642, 0.4712



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

27.1223, 0.2734, 0.3858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.0813, 0.2642, 0.4712 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, 201, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 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, 201, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 118) }
```

Border

The CSS property to change the border of an element to Yxy 43.0813, 0.2642, 0.4712 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, 201, 118) }
```

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

```
.border{ border-color:rgb(0, 201, 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, 201, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 43.0813, 0.2642, 0.4712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 118) }
```

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

```
.background{ background-color: rgb(0, 201,  
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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