

Converting Colors

$Y_{xy}(43.8378, 0.2803, 0.5292)$

Have a look what the booklet for
Yxy(43.8378, 0.2803, 0.5292)
contains.

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Color

Yxy(43.8416, 0.2802, 0.5288)

Conversions

Conversions Part 1

Format	Color
Hex	00CC55
RGB	0, 204, 85
RGB Percent	0%, 80%, 33%
CMY	1.0000, 0.2000, 0.6666
CMYK	1.00, 0.00, 0.58, 0.20
HSL	145°, 100%, 40%
HSV	145°, 100%, 80%
XYZ	23.2307, 43.8416, 15.8354
YIQ	129.4380, -83.3850, -80.2570

Conversions

Conversions Part 2

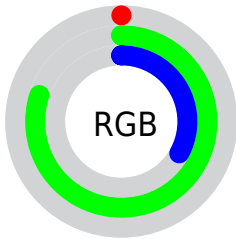
Format	Color
RYB	0, 144, 204
Decimal	52309
CIELab	72.12, -67.22, 46.76
CIELCh	72, 81.885, 145.178
Yxy	43.8416, 0.2802, 0.5288
Android (android.graphics.Color)	4278242389 (0xFF00CC55)
YUV	129.4380, -21.9079, -113.5171
Hunter-Lab	66.2130, -53.2462, 32.1694

Details

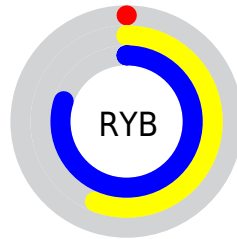
The Yxy color **43.8416, 0.2802, 0.5288** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **14.1699, 0.4621, 0.2319**, and the grayscale version is **22.2172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1798, 0.2894, 0.4811**, and **21.2841, 0.2930, 0.5747** is the 20% darker color. If you saturate the color by 10%, you get **43.8449, 0.2802, 0.5288**, and if you desaturate by 10%, it is **44.2033, 0.2770, 0.5092**.

Distribution



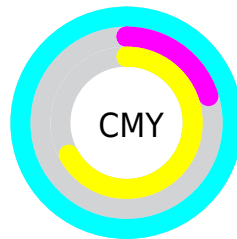
- Red (0%)
- Green (80%)
- Blue (33%)



- Red (0%)
- Yellow (56%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8416, 0.2802, 0.5288 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 43.8416, 0.2802, 0.5288 by changing the saturation by 10% instead.


 43.8416, 0.2802,
0.5288

 43.8416, 0.2802,
0.5288


362.0615, 0.3027,
0.4192


 30.5460, 0.2722,
0.5586


 80.9793, 0.2901,
0.4870

 20.2534, 0.2604,
0.5977

 105.5903, 0.2933,
0.4718


 12.5794, 0.2421,
0.6504


 134.7418, 0.2957,
0.4593

 7.1395, 0.2130,
0.7257

 168.8182, 0.2977,
0.4487

 3.5495, 0.1621,
0.8379

 208.2040, 0.2993,
0.4397

 1.4249, 0.0000,
1.0000

253.2836, 0.3006,

 0.2350, 0.0000,

0.4319

1.0000

304.4413, 0.3018,
0.4252

■ 0.0000, 0.0000,
0.0000

■ 43.8416, 0.2802,
0.5288

■ 43.8416, 0.2802,
0.5288

■ 43.8449, 0.2802,
0.5288

■ 44.2033, 0.2770,
0.5092

■ 44.7563, 0.2753,
0.4879

■ 45.5608, 0.2754,
0.4654

■ 46.6476, 0.2775,
0.4425

■ 48.0431, 0.2811,
0.4201

■ 49.7701, 0.2861,
0.3987

■ 51.8497, 0.2920,
0.3787

■ 54.3008, 0.2986,
0.3603

■ 57.1410, 0.3056,
0.3438

Harmonies

Analogous

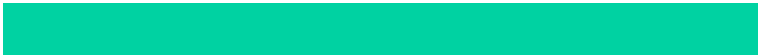
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.8416, 0.3832, 0.5380



43.8416, 0.2802, 0.5288



43.8416, 0.1911, 0.4154

Triad

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



43.8416, 0.2802, 0.5288



43.8416, 0.1537, 0.1708



43.8416, 0.5198, 0.3204

Complementary

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



43.8416, 0.2802, 0.5288



14.1699, 0.4621, 0.2319

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.



43.8416, 0.4317, 0.2533



43.8416, 0.2802, 0.5288



43.8416, 0.2124, 0.1718

Square

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



43.8416, 0.2802, 0.5288



43.8416, 0.1306, 0.2037



43.8416, 0.3109, 0.2006



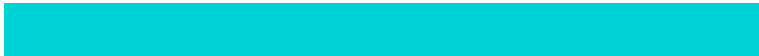
43.8416, 0.5311, 0.3944

Rectangle

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



43.8416, 0.2802, 0.5288



43.8416, 0.1528, 0.3236



43.8416, 0.3109, 0.2006



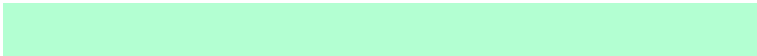
43.8416, 0.4979, 0.2971

Sweetspot

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



43.8449, 0.2802, 0.5288



85.7164, 0.2918, 0.3794



47.1110, 0.3482, 0.5617



18.0185, 0.2891, 0.3878



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.



43.8449, 0.2802, 0.5288



72.5662, 0.2809, 0.5311



46.7769, 0.2319, 0.3550



12.6132, 0.3060, 0.3428



27.6122, 0.2795, 0.5262



1.4395, 0.2685, 0.4867

Inverse Universe

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



14.1699, 0.4621, 0.2319



23.4213, 0.4644, 0.2332



12.8787, 0.6317, 0.3254



11.3216, 0.3200, 0.3156



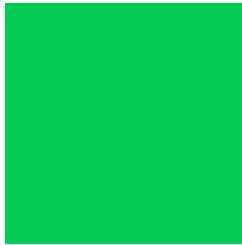
8.9370, 0.4595, 0.2305



0.4760, 0.4253, 0.2117

Previews

White Background



This preview shows how the Yxy color 43.8416, 0.2802, 0.5288 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 43.8416, 0.2802, 0.5288 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 43.8416, 0.2802, 0.5288

Background



This preview shows how black text looks on a background with the Yxy color 43.8416, 0.2802, 0.5288.



This preview shows how white text looks on a background with the Yxy color 43.8416, 0.2802, 0.5288.

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

43.8416, 0.2802, 0.5288

Protanopia

43.1746, 0.4114, 0.4516

Deuteranopia

42.7598, 0.4228, 0.4145



Tritanopia

43.5159, 0.2336, 0.3054

Trichromacy



Original Color

43.8416, 0.2802, 0.5288



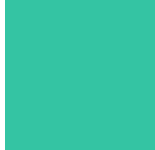
Protanomaly

39.9674, 0.3371, 0.4939



Deuteranomaly

38.6321, 0.3423, 0.4663



Tritanomaly

42.8543, 0.2477, 0.3824

Monochromacy



Original Color

43.8416, 0.2802, 0.5288



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.7630, 0.2826, 0.4122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8416, 0.2802, 0.5288 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, 204, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 85)  
}
```

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, 204, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 85) }
```

Border

The CSS property to change the border of an element to Yxy 43.8416, 0.2802, 0.5288 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, 204, 85) }
```

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

```
.border{ border-color:rgb(0, 204, 85) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 204, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 85)  
}
```


Background

The CSS property to change the background color of an element to Yxy 43.8416, 0.2802, 0.5288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 85) }
```

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

```
.background{ background-color: rgb(0, 204,  
85) }
```

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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