

Converting Colors

$Y_{xy}(43.4668, 0.2908, 0.5670)$

Have a look what the booklet for
Yxy(43.4668, 0.2908, 0.5670)
contains.

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Color

Yxy(43.4713, 0.2907, 0.5665)

Conversions

Conversions Part 1

Format	Color
Hex	00CC38
RGB	0, 204, 56
RGB Percent	0%, 80%, 22%
CMY	0.9998, 0.2000, 0.7803
CMYK	1.00, 0.00, 0.73, 0.20
HSL	136°, 100%, 40%
HSV	136°, 100%, 80%
XYZ	22.3073, 43.4713, 10.9580
YIQ	126.1320, -74.0760, -89.2760

Conversions

Conversions Part 2

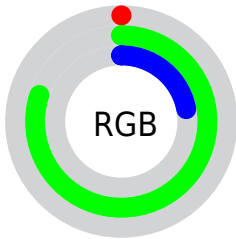
Format	Color
RYB	0, 160, 204
Decimal	52280
CIELab	71.87, -70.35, 58.48
CIELCh	72, 91.479, 140.265
Yxy	43.4713, 0.2907, 0.5665
Android (android.graphics.Color)	4278242360 (0xFF00CC38)
YUV	126.1320, -34.5751, -110.6178
Hunter-Lab	65.9328, -54.9896, 36.2990

Details

The Yxy color **43.4713, 0.2907, 0.5665** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **14.9779, 0.4057, 0.2009**, and the grayscale version is **21.0565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6108, 0.3011, 0.5135**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.4725, 0.2907, 0.5665**, and if you desaturate by 10%, it is **43.7932, 0.2878, 0.5475**.

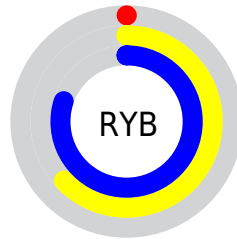
Distribution



Red (0%)

Green (80%)

Blue (22%)



Red (0%)

Yellow (63%)

Blue (80%)

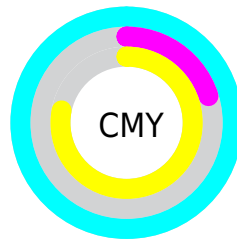


Cyan (100%)

Magenta (0%)

Yellow (73%)

Black (20%)



Cyan (100%)


Magenta (20%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4713, 0.2907, 0.5665 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 43.4713, 0.2907, 0.5665 by changing the saturation by 10% instead.


 43.4713, 0.2907,
0.5665


 43.4713, 0.2907,
0.5665


360.5464, 0.3111,
0.4368


 30.2551, 0.2819,
0.6005


 80.4216, 0.3008,
0.5176

 20.0323, 0.2682,
0.6440


 104.9244, 0.3037,
0.4997


 12.4185, 0.2462,
0.6998


 133.9583, 0.3059,
0.4847

 7.0294, 0.2139,
0.7861

 167.9076, 0.3075,
0.4721

 3.4805, 0.1437,
0.8563

 207.1566, 0.3087,
0.4614

 1.3874, 0.0000,
1.0000

252.0898, 0.3097,

 0.2074, 0.0000,

0.4520

1.0000

303.0916, 0.3105,
0.4439

■ 0.0000, 0.0000,
0.0000

■ 43.4713, 0.2907,
0.5665

■ 43.4713, 0.2907,
0.5665

■ 43.4725, 0.2907,
0.5665

■ 43.7932, 0.2878,
0.5475

■ 44.3212, 0.2860,
0.5246

■ 45.1154, 0.2857,
0.4986

■ 46.2082, 0.2870,
0.4711

■ 47.6271, 0.2896,
0.4434

■ 49.3966, 0.2933,
0.4165

■ 51.5384, 0.2977,
0.3913

■ 54.0729, 0.3025,
0.3682

■ 57.0185, 0.3076,
0.3474

Harmonies

Analogous

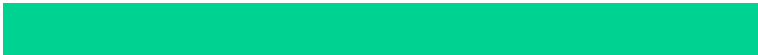
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.4713, 0.4018, 0.5494



43.4713, 0.2907, 0.5665



43.4713, 0.1904, 0.4528

Triad

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



43.4713, 0.2907, 0.5665



43.4713, 0.1340, 0.1598



43.4713, 0.5327, 0.3037

Complementary

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



43.4713, 0.2907, 0.5665



14.9779, 0.4057, 0.2009

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.



43.4713, 0.4233, 0.2347



43.4713, 0.2907, 0.5665



43.4713, 0.1892, 0.1564

Square

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



43.4713, 0.2907, 0.5665



43.4713, 0.1151, 0.2003



43.4713, 0.2890, 0.1824



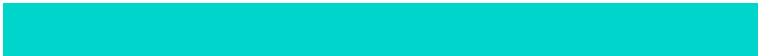
43.4713, 0.5561, 0.3803

Rectangle

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



43.4713, 0.2907, 0.5665



43.4713, 0.1452, 0.3448



43.4713, 0.2890, 0.1824



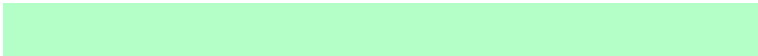
43.4713, 0.5039, 0.2797

Sweetspot

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



43.4731, 0.2907, 0.5665



85.1907, 0.2975, 0.3923



49.6347, 0.3726, 0.5423



17.8959, 0.2955, 0.4029



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.



43.4731, 0.2907, 0.5665



71.9619, 0.2913, 0.5686



45.6017, 0.2462, 0.4064



12.5867, 0.3079, 0.3463



27.3749, 0.2900, 0.5642



1.4253, 0.2789, 0.5239

Inverse Universe

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



14.9779, 0.4057, 0.2009



24.7637, 0.4071, 0.2016



13.0492, 0.5995, 0.3077



11.3492, 0.3179, 0.3123



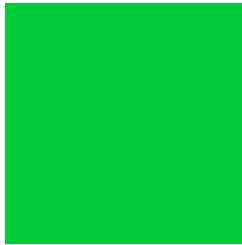
9.4425, 0.4043, 0.2001



0.4995, 0.3844, 0.1891

Previews

White Background



This preview shows how the Yxy color 43.4713, 0.2907, 0.5665 looks on a white background.

Color Contrast Check

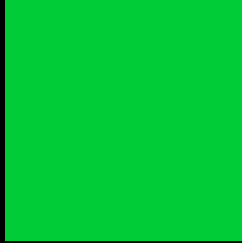
Large Text (above 18pt) WCAG AA × Fail

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 43.4713, 0.2907, 0.5665 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 43.4713, 0.2907, 0.5665

Background



This preview shows how black text looks on a background with the Yxy color 43.4713, 0.2907, 0.5665.



This preview shows how white text looks on a background with the Yxy color 43.4713, 0.2907, 0.5665.

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

43.4713, 0.2907, 0.5665

Protanopia

42.6175, 0.4277, 0.4716

Deuteranopia

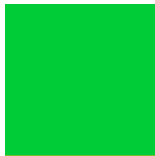
42.4663, 0.4446, 0.4354



Tritanopia

43.1680, 0.2349, 0.3054

Trichromacy



Original Color

43.4713, 0.2907, 0.5665



Protanomaly

39.7257, 0.3511, 0.5236



Deuteranomaly

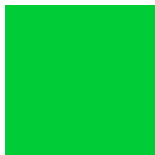
38.4274, 0.3598, 0.4982



Tritanomaly

42.0215, 0.2541, 0.4018

Monochromacy



Original Color

43.4713, 0.2907, 0.5665



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

25.7563, 0.2900, 0.4340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4713, 0.2907, 0.5665 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 56) }
```

Border

The CSS property to change the border of an element to Yxy 43.4713, 0.2907, 0.5665 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, 56) }
```

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

```
.border{ border-color:rgb(0, 204, 56) }
```

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, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 56);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 56)  
}
```


Background

The CSS property to change the background color of an element to Yxy 43.4713, 0.2907, 0.5665 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, 56) }
```

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

```
.background{ background-color: rgb(0, 204,  
56) }
```

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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