

Converting Colors

$Yxy(45.6666, 0.1903, 0.4809)$

Have a look what the booklet for
Yxy(45.6666, 0.1903, 0.4809)
contains.

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Color

Yxy(51.4033, 0.2604, 0.4576)

Conversions

Conversions Part 1

Format	Color
Hex	00D988
RGB	0, 217, 136
RGB Percent	0%, 85%, 53%
CMY	1.0000, 0.1490, 0.4666
CMYK	1.00, 0.00, 0.37, 0.15
HSL	158°, 100%, 43%
HSV	158°, 100%, 85%
XYZ	29.2514, 51.4033, 31.6777
YIQ	142.8830, -103.3310, -71.1950

Conversions

Conversions Part 2

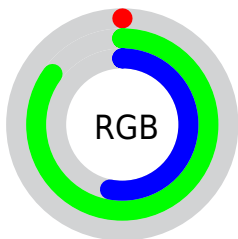
Format	Color
RYB	0, 133, 217
Decimal	55688
CIELab	76.92, -62.95, 27.69
CIELCh	77, 68.772, 156.259
Yxy	51.4033, 0.2604, 0.4576
Android (android.graphics.Color)	4278245768 (0xFF00D988)
YUV	142.8830, -3.3933, -125.3084
Hunter-Lab	71.6961, -52.6418, 23.9910

Details

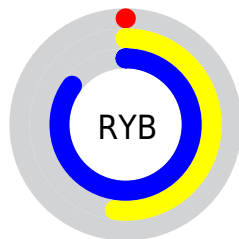
The Yxy color **51.4033, 0.2604, 0.4576** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.3475, 0.5512, 0.2810**, and the grayscale version is **27.4671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2410, 0.2674, 0.4112**, and **26.1456, 0.2693, 0.4895** is the 20% darker color. If you saturate the color by 10%, you get **51.4095, 0.2604, 0.4576**, and if you desaturate by 10%, it is **51.8159, 0.2583, 0.4435**.

Distribution



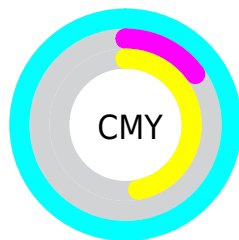
- Red (0%)
- Green (85%)
- Blue (53%)



- Red (0%)
- Yellow (52%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4033, 0.2604, 0.4576 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 51.4033, 0.2604, 0.4576 by changing the saturation by 10% instead.

 51.4033, 0.2604,
0.4576


 51.4033, 0.2604,
0.4576


392.1287, 0.2885,
0.3896

 36.5297, 0.2528,
0.4757


 92.2506, 0.2710,
0.4320

 24.8435, 0.2428,
0.4994


 118.9931, 0.2749,
0.4227


 15.9605, 0.2289,
0.5319


 150.4607, 0.2781,
0.4149

 9.4962, 0.2087,
0.5785

 187.0378, 0.2808,
0.4083

 5.0662, 0.1772,
0.6494

 229.1087, 0.2832,
0.4026

 2.2862, 0.0926,
0.8679

277.0579, 0.2852,

 0.7664, 0.0000,

0.3977

1.0000

331.2698, 0.2869,
0.3934

■ 0.0000, 0.0000,
0.0000

■ 51.4033, 0.2604,
0.4576

■ 51.4033, 0.2604,
0.4576

■ 51.4095, 0.2604,
0.4576

■ 51.8159, 0.2583,
0.4435

■ 52.4279, 0.2579,
0.4290

■ 53.3080, 0.2595,
0.4145

■ 54.4910, 0.2631,
0.4001

■ 56.0064, 0.2685,
0.3861

■ 57.8802, 0.2755,
0.3728

■ 60.1355, 0.2837,
0.3604

■ 62.7936, 0.2928,
0.3489

■ 65.8741, 0.3026,
0.3384

Harmonies

Analogous

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



51.4033, 0.3457, 0.5016



51.4033, 0.2604, 0.4576



51.4033, 0.1942, 0.3583

Triad

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



51.4033, 0.2604, 0.4576



51.4033, 0.1945, 0.1935



51.4033, 0.4913, 0.3503

Complementary

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



51.4033, 0.2604, 0.4576



15.3475, 0.5512, 0.2810

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.



51.4033, 0.4397, 0.2884



51.4033, 0.2604, 0.4576



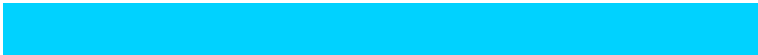
51.4033, 0.2579, 0.2030

Square

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



51.4033, 0.2604, 0.4576



51.4033, 0.1628, 0.2123



51.4033, 0.3482, 0.2364



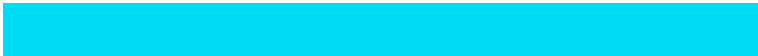
51.4033, 0.4829, 0.4158

Rectangle

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



51.4033, 0.2604, 0.4576



51.4033, 0.1688, 0.2933



51.4033, 0.3482, 0.2364



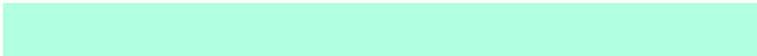
51.4033, 0.4806, 0.3290

Sweetspot

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



51.4095, 0.2604, 0.4576



86.5598, 0.2835, 0.3607



51.4791, 0.3216, 0.5829



18.2180, 0.2798, 0.3659



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.



51.4095, 0.2604, 0.4576



74.0520, 0.2608, 0.4588



42.5751, 0.2143, 0.2914



14.7428, 0.3032, 0.3379



31.1381, 0.2599, 0.4555



2.0338, 0.2535, 0.4324

Inverse Universe

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



15.3475, 0.5512, 0.2810



22.0894, 0.5535, 0.2823



15.4624, 0.6313, 0.3369



13.1315, 0.3233, 0.3203



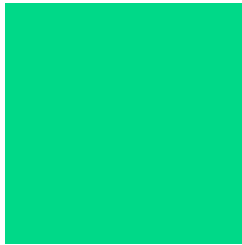
9.3083, 0.5475, 0.2790



0.6194, 0.5029, 0.2544

Previews

White Background



This preview shows how the Yxy color 51.4033, 0.2604, 0.4576 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 51.4033, 0.2604, 0.4576 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 51.4033, 0.2604, 0.4576

Background



This preview shows how black text looks on a background with the Yxy color 51.4033, 0.2604, 0.4576.



This preview shows how white text looks on a background with the Yxy color 51.4033, 0.2604, 0.4576.

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

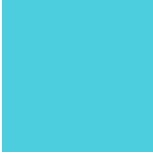
51.4033, 0.2604, 0.4576

Protanopia

50.2590, 0.3779, 0.4083

Deuteranopia

50.4335, 0.3799, 0.3730



Tritanopia

51.0481, 0.2301, 0.3054

Trichromacy



Original Color

51.4033, 0.2604, 0.4576



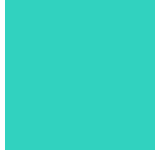
Protanomaly

47.1512, 0.3092, 0.4348



Deuteranomaly

46.1694, 0.3091, 0.4067



Tritanomaly

50.5077, 0.2383, 0.3570

Monochromacy



Original Color

51.4033, 0.2604, 0.4576



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

32.8670, 0.2717, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4033, 0.2604, 0.4576 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, 217, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 136)  
}
```

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, 217, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 136) }
```

Border

The CSS property to change the border of an element to Yxy 51.4033, 0.2604, 0.4576 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, 217, 136) }
```

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

```
.border{ border-color:rgb(0, 217, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4033, 0.2604, 0.4576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 136) }
```

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

```
.background{ background-color: rgb(0, 217,  
136) }
```

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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