

Converting Colors

$Y_{xy}(48.0915, 0.2244, 0.5065)$

Have a look what the booklet for
Yxy(48.0915, 0.2244, 0.5065)
contains.

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Color

Yxy(51.9949, 0.2688, 0.4876)

Conversions

Conversions Part 1

Format	Color
Hex	00DB77
RGB	0, 219, 119
RGB Percent	0%, 86%, 47%
CMY	0.9990, 0.1412, 0.5333
CMYK	1.00, 0.00, 0.46, 0.14
HSL	153°, 100%, 43%
HSV	153°, 100%, 86%
XYZ	28.6633, 51.9949, 25.9761
YIQ	142.1190, -98.4240, -77.5280

Conversions

Conversions Part 2

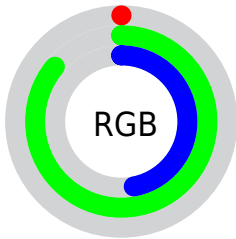
Format	Color
RYB	0, 142, 219
Decimal	56183
CIELab	77.28, -66.76, 36.78
CIELCh	77, 76.222, 151.147
Yxy	51.9949, 0.2688, 0.4876
Android (android.graphics.Color)	4278246263 (0xFF00DB77)
YUV	142.1190, -11.3977, -124.6384
Hunter-Lab	72.1075, -55.2329, 29.1165

Details

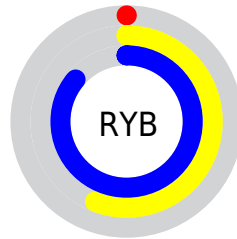
The Yxy color **51.9949, 0.2688, 0.4876** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.9913, 0.5163, 0.2618**, and the grayscale version is **27.2081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5627, 0.2759, 0.4354**, and **26.2580, 0.2791, 0.5249** is the 20% darker color. If you saturate the color by 10%, you get **51.9924, 0.2688, 0.4878**, and if you desaturate by 10%, it is **52.4211, 0.2660, 0.4707**.

Distribution



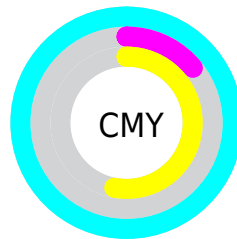
- Red (0%)
- Green (86%)
- Blue (47%)



- Red (0%)
- Yellow (56%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (14%)




- Cyan (100%)
- Magenta (14%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9949, 0.2688, 0.4876 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 51.9949, 0.2688, 0.4876 by changing the saturation by 10% instead.

 51.9949, 0.2688,
0.4876

 51.9949, 0.2688,
0.4876


394.4169, 0.2940,
0.4032

 37.0010, 0.2615,
0.5100


 93.1237, 0.2787,
0.4558

 25.2083, 0.2514,
0.5394


 120.0274, 0.2822,
0.4442


 16.2323, 0.2371,
0.5792


 151.6699, 0.2851,
0.4345

 9.6887, 0.2155,
0.6354

 188.4355, 0.2875,
0.4263

 5.1930, 0.1811,
0.7196

 230.7086, 0.2895,
0.4193

 2.3610, 0.0739,
0.9261

278.8736, 0.2912,

 0.8057, 0.0000,

0.4132

1.0000

333.3149, 0.2927,
0.4079

■ 0.0000, 0.0000,
0.0000

■ 51.9949, 0.2688,
0.4876

■ 51.9949, 0.2688,
0.4876

■ 51.9924, 0.2688,
0.4878

■ 52.4211, 0.2660,
0.4707

■ 53.0651, 0.2649,
0.4530

■ 53.9915, 0.2659,
0.4350

■ 55.2365, 0.2688,
0.4170

■ 56.8303, 0.2735,
0.3996

■ 58.7997, 0.2797,
0.3830

■ 61.1688, 0.2870,
0.3676

■ 63.9595, 0.2952,
0.3533

■ 67.1922, 0.3039,
0.3404

Harmonies

Analogous

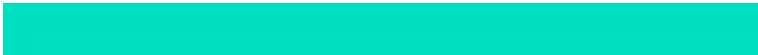
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.9949, 0.3621, 0.5192



51.9949, 0.2688, 0.4876



51.9949, 0.1927, 0.3808

Triad

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



51.9949, 0.2688, 0.4876



51.9949, 0.1765, 0.1836



51.9949, 0.5040, 0.3378

Complementary

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



51.9949, 0.2688, 0.4876



15.9913, 0.5163, 0.2618

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.



51.9949, 0.4374, 0.2734



51.9949, 0.2688, 0.4876



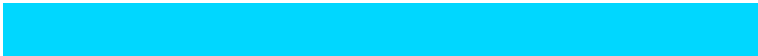
51.9949, 0.2382, 0.1893

Square

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



51.9949, 0.2688, 0.4876



51.9949, 0.1485, 0.2084



51.9949, 0.3329, 0.2209



51.9949, 0.5037, 0.4075

Rectangle

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



51.9949, 0.2688, 0.4876



51.9949, 0.1617, 0.3050



51.9949, 0.3329, 0.2209



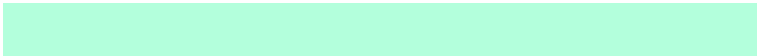
51.9949, 0.4887, 0.3155

Sweetspot

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



51.9970, 0.2688, 0.4876



86.2129, 0.2868, 0.3681



53.5088, 0.3315, 0.5749



18.1355, 0.2835, 0.3746



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.



51.9970, 0.2688, 0.4876



73.3670, 0.2692, 0.4892



52.0581, 0.2218, 0.3184



14.7239, 0.3043, 0.3399



30.8511, 0.2681, 0.4853



2.0160, 0.2604, 0.4574

Inverse Universe

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



15.9913, 0.5163, 0.2618



22.5346, 0.5186, 0.2630



15.2248, 0.6379, 0.3315



13.1500, 0.3220, 0.3184



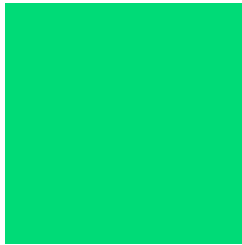
9.4985, 0.5130, 0.2600



0.6326, 0.4737, 0.2383

Previews

White Background



This preview shows how the Yxy color 51.9949, 0.2688, 0.4876 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 51.9949, 0.2688, 0.4876 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 51.9949, 0.2688, 0.4876

Background



This preview shows how black text looks on a background with the Yxy color 51.9949, 0.2688, 0.4876.

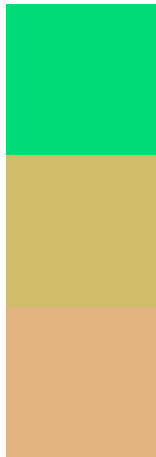


This preview shows how white text looks on a background with the Yxy color 51.9949, 0.2688, 0.4876.

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

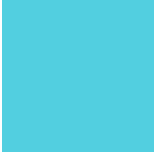
51.9949, 0.2688, 0.4876

Protanopia

50.8878, 0.3931, 0.4264

Deuteranopia

50.7750, 0.3982, 0.3904



Tritanopia

51.8013, 0.2315, 0.3056

Trichromacy



Original Color

51.9949, 0.2688, 0.4876



Protanomaly

47.3839, 0.3207, 0.4591



Deuteranomaly

46.4402, 0.3224, 0.4312



Tritanomaly

50.8638, 0.2416, 0.3661

Monochromacy



Original Color

51.9949, 0.2688, 0.4876



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

32.6443, 0.2752, 0.3924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9949, 0.2688, 0.4876 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, 219, 119)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 119)  
}
```

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, 219, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 119) }
```

Border

The CSS property to change the border of an element to Yxy 51.9949, 0.2688, 0.4876 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, 219, 119) }
```

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

```
.border{ border-color:rgb(0, 219, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 219, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9949, 0.2688, 0.4876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 119) }
```

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

```
.background{ background-color: rgb(0, 219,  
119) }
```

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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