

Converting Colors

$Y_{xy}(51.8459, 0.2600, 0.4560)$

Have a look what the booklet for
Yxy(51.8459, 0.2600, 0.4560)
contains.

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Color

Yxy(51.9490, 0.2603, 0.4570)

Conversions

Conversions Part 1

Format	Color
Hex	00DA89
RGB	0, 218, 137
RGB Percent	0%, 85%, 54%
CMY	0.9989, 0.1451, 0.4627
CMYK	1.00, 0.00, 0.37, 0.15
HSL	158°, 100%, 43%
HSV	158°, 100%, 85%
XYZ	29.5893, 51.9490, 32.1356
YIQ	143.5840, -103.9270, -71.4070

Conversions

Conversions Part 2

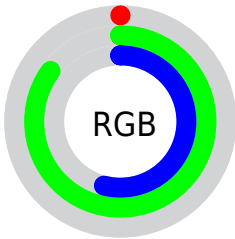
Format	Color
RYB	0, 134, 218
Decimal	55945
CIELab	77.25, -63.07, 27.62
CIELCh	77, 68.851, 156.352
Yxy	51.9490, 0.2603, 0.4570
Android (android.graphics.Color)	4278246025 (0xFF00DA89)
YUV	143.5840, -3.2459, -125.9232
Hunter-Lab	72.0757, -52.8525, 24.0179

Details

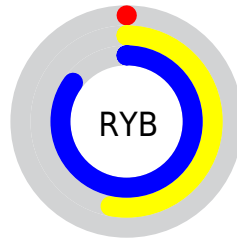
The Yxy color **51.9490, 0.2603, 0.4570** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.5096, 0.5514, 0.2812**, and the grayscale version is **27.7936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2848, 0.2670, 0.4099**, and **26.5125, 0.2691, 0.4886** is the 20% darker color. If you saturate the color by 10%, you get **51.9464, 0.2603, 0.4572**, and if you desaturate by 10%, it is **52.3623, 0.2582, 0.4429**.

Distribution



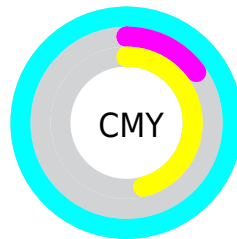
- Red (0%)
- Green (85%)
- Blue (54%)



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



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




- Cyan (100%)
- Magenta (15%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9490, 0.2603, 0.4570 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 51.9490, 0.2603, 0.4570 by changing the saturation by 10% instead.

 51.9490, 0.2603,
0.4570

 51.9490, 0.2603,
0.4570


394.2397, 0.2883,
0.3894

 36.9644, 0.2528,
0.4749


 93.0560, 0.2709,
0.4316

 25.1799, 0.2428,
0.4984


 119.9473, 0.2748,
0.4224

 16.2112, 0.2290,
0.5305


 151.5762, 0.2780,
0.4146

 9.6737, 0.2090,
0.5765

 188.3272, 0.2807,
0.4080

 5.1832, 0.1780,
0.6463

 230.5846, 0.2830,
0.4024

 2.3551, 0.0991,
0.8474

278.7329, 0.2850,

 0.8027, 0.0000,

0.3975

1.0000

333.1565, 0.2868,
0.3932

■ 0.0000, 0.0000,
0.0000

■ 51.9490, 0.2603,
0.4570

■ 51.9490, 0.2603,
0.4570

■ 51.9464, 0.2603,
0.4572

■ 52.3623, 0.2582,
0.4429

■ 52.9831, 0.2578,
0.4285

■ 53.8750, 0.2594,
0.4140

■ 55.0735, 0.2631,
0.3997

■ 56.6082, 0.2685,
0.3858

■ 58.5052, 0.2755,
0.3725

■ 60.7881, 0.2838,
0.3601

■ 63.4782, 0.2929,
0.3487

■ 66.5955, 0.3027,
0.3383

Harmonies

Analogous

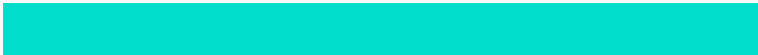
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.9490, 0.3455, 0.5011



51.9490, 0.2603, 0.4570



51.9490, 0.1943, 0.3579

Triad

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



51.9490, 0.2603, 0.4570



51.9490, 0.1949, 0.1938



51.9490, 0.4909, 0.3505

Complementary

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



51.9490, 0.2603, 0.4570



15.5096, 0.5514, 0.2812

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.



51.9490, 0.4397, 0.2886



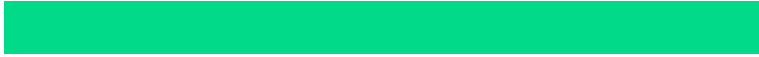
51.9490, 0.2603, 0.4570



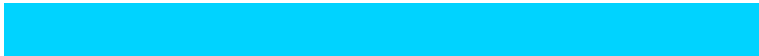
51.9490, 0.2583, 0.2033

Square

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



51.9490, 0.2603, 0.4570



51.9490, 0.1631, 0.2125



51.9490, 0.3485, 0.2368



51.9490, 0.4825, 0.4159

Rectangle

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



51.9490, 0.2603, 0.4570



51.9490, 0.1690, 0.2931



51.9490, 0.3485, 0.2368



51.9490, 0.4803, 0.3292

Sweetspot

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



51.9511, 0.2603, 0.4570



86.5650, 0.2834, 0.3606



52.0163, 0.3216, 0.5828



18.2192, 0.2798, 0.3658



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.



51.9511, 0.2603, 0.4570



74.0629, 0.2607, 0.4584



43.0267, 0.2143, 0.2914



14.7431, 0.3031, 0.3378



31.1426, 0.2598, 0.4551



2.0340, 0.2534, 0.4321

Inverse Universe

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



15.5096, 0.5514, 0.2812



22.0837, 0.5540, 0.2826



15.6306, 0.6311, 0.3369



13.1312, 0.3234, 0.3203



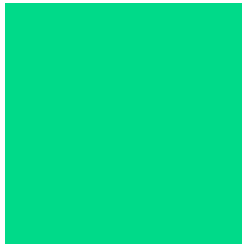
9.3059, 0.5480, 0.2792



0.6192, 0.5034, 0.2547

Previews

White Background



This preview shows how the Yxy color 51.9490, 0.2603, 0.4570 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 51.9490, 0.2603, 0.4570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

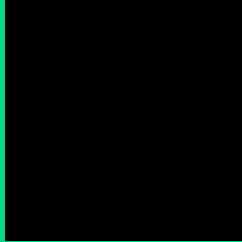
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9490, 0.2603, 0.4570

Background



This preview shows how black text looks on a background with the Yxy color 51.9490, 0.2603, 0.4570.

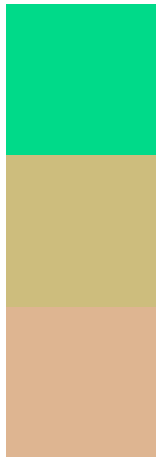


This preview shows how white text looks on a background with the Yxy color 51.9490, 0.2603, 0.4570.

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

51.9490, 0.2603, 0.4570

Protanopia

50.8550, 0.3776, 0.4079

Deuteranopia

50.6217, 0.3800, 0.3716



Tritanopia

51.6272, 0.2303, 0.3055

Trichromacy



Original Color

51.9490, 0.2603, 0.4570



Protanomaly

47.7188, 0.3092, 0.4343



Deuteranomaly

46.1993, 0.3084, 0.4052



Tritanomaly

51.0724, 0.2384, 0.3568

Monochromacy



Original Color

51.9490, 0.2603, 0.4570



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

33.3242, 0.2719, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9490, 0.2603, 0.4570 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, 218, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 137)  
}
```

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, 218, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 137) }
```

Border

The CSS property to change the border of an element to Yxy 51.9490, 0.2603, 0.4570 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, 218, 137) }
```

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

```
.border{ border-color:rgb(0, 218, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 218, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 218, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 218,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9490, 0.2603, 0.4570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 218, 137) }
```

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

```
.background{ background-color: rgb(0, 218,  
137) }
```

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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