

Converting Colors

$Y_{xy}(51.7073, 0.2777, 0.5197)$

Have a look what the booklet for
Yxy(51.7073, 0.2777, 0.5197)
contains.

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Color

Yxy(51.5449, 0.2778, 0.5200)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00DB62 |
| RGB | 0, 219, 98 |
| RGB Percent | 0%, 86%, 38% |
| CMY | 0.9990, 0.1412, 0.6158 |
| CMYK | 1.00, 0.00, 0.55, 0.14 |
| HSL | 147°, 100%, 43% |
| HSV | 147°, 100%, 86% |
| XYZ | 27.5369, 51.5449, 20.0430 |
| YIQ | 139.7250, -91.6830, -84.0590 |

Conversions

Conversions Part 2

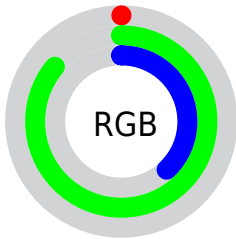
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 151, 219 |
| Decimal | 56162 |
| CIELab | 77.01, -70.05, 46.59 |
| CIELCh | 77, 84.126, 146.373 |
| Yxy | 51.5449, 0.2778, 0.5200 |
| Android (android.graphics.Color) | 4278246242 (0xFF00DB62) |
| YUV | 139.7250, -20.5704, -122.5388 |
| Hunter-Lab | 71.7948, -57.1772, 33.7043 |

Details

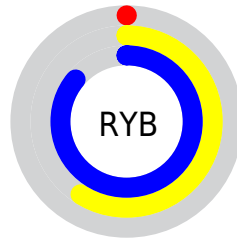
The Yxy color **51.5449, 0.2778, 0.5200** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.4536, 0.4753, 0.2392**, and the grayscale version is **26.2510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8185, 0.2854, 0.4635**, and **26.0379, 0.2894, 0.5617** is the 20% darker color. If you saturate the color by 10%, you get **51.5427, 0.2778, 0.5202**, and if you desaturate by 10%, it is **51.9641, 0.2745, 0.5008**.

Distribution



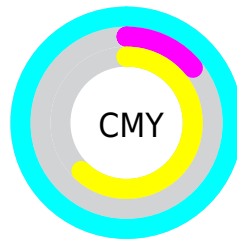
- Red (0%)
- Green (86%)
- Blue (38%)



- Red (0%)
- Yellow (59%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (14%)




- Cyan (100%)
- Magenta (14%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5449, 0.2778, 0.5200 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 51.5449, 0.2778, 0.5200 by changing the saturation by 10% instead.


 51.5449, 0.2778,
0.5200


 51.5449, 0.2778,
0.5200


392.6771, 0.3005,
0.4178

 36.6424, 0.2704,
0.5469


 92.4597, 0.2873,
0.4816

 24.9308, 0.2598,
0.5818


 119.2409, 0.2905,
0.4676

 16.0255, 0.2441,
0.6284


 150.7504, 0.2931,
0.4558

 9.5422, 0.2193,
0.6919

 187.3727, 0.2951,
0.4459

 5.0965, 0.1862,
0.8138

 229.4921, 0.2968,
0.4374

 2.3040, 0.0334,
0.9666

277.4930, 0.2982,

 0.7758, 0.0000,

0.4300

1.0000

331.7599, 0.2994,
0.4235

■ 0.0000, 0.0000,
0.0000

■ 51.5449, 0.2778,
0.5200

■ 51.5449, 0.2778,
0.5200

■ 51.5427, 0.2778,
0.5202

■ 51.9641, 0.2745,
0.5008

■ 52.6110, 0.2729,
0.4802

■ 53.5510, 0.2732,
0.4586

■ 54.8207, 0.2754,
0.4368

■ 56.4512, 0.2793,
0.4154

■ 58.4697, 0.2845,
0.3950

■ 60.9008, 0.2908,
0.3760

■ 63.7669, 0.2978,
0.3586

■ 67.0889, 0.3052,
0.3429

Harmonies

Analogous

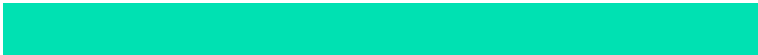
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.5449, 0.3788, 0.5345



51.5449, 0.2778, 0.5200



51.5449, 0.1914, 0.4076

Triad

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



51.5449, 0.2778, 0.5200



51.5449, 0.1584, 0.1735



51.5449, 0.5166, 0.3242

Complementary

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



51.5449, 0.2778, 0.5200



16.4536, 0.4753, 0.2392

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.



51.5449, 0.4331, 0.2576



51.5449, 0.2778, 0.5200



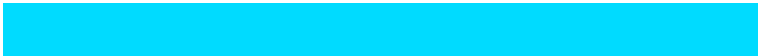
51.5449, 0.2178, 0.1754

Square

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



51.5449, 0.2778, 0.5200



51.5449, 0.1343, 0.2047



51.5449, 0.3157, 0.2049



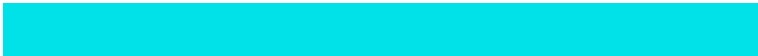
51.5449, 0.5253, 0.3974

Rectangle

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



51.5449, 0.2778, 0.5200



51.5449, 0.1546, 0.3194



51.5449, 0.3157, 0.2049



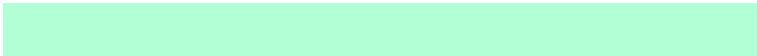
51.5449, 0.4961, 0.3011

Sweetspot

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



51.5470, 0.2778, 0.5200



85.8316, 0.2906, 0.3767



54.9656, 0.3455, 0.5638



18.0455, 0.2878, 0.3846



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.



51.5470, 0.2778, 0.5200



72.7327, 0.2783, 0.5217



55.0456, 0.2305, 0.3496



14.7024, 0.3056, 0.3422



30.5830, 0.2771, 0.5174



1.9985, 0.2682, 0.4856

Inverse Universe

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



16.4536, 0.4753, 0.2392



23.1860, 0.4771, 0.2402



15.1000, 0.6340, 0.3267



13.1715, 0.3206, 0.3161



9.7735, 0.4725, 0.2377



0.6504, 0.4411, 0.2204

Previews

White Background



This preview shows how the Yxy color 51.5449, 0.2778, 0.5200 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 51.5449, 0.2778, 0.5200 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 51.5449, 0.2778, 0.5200

Background



This preview shows how black text looks on a background with the Yxy color 51.5449, 0.2778, 0.5200.



This preview shows how white text looks on a background with the Yxy color 51.5449, 0.2778, 0.5200.

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

51.5449, 0.2778, 0.5200

Protanopia

50.6551, 0.4076, 0.4464

Deuteranopia

50.3832, 0.4176, 0.4099



Tritanopia

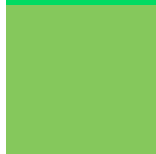
51.4488, 0.2330, 0.3056

Trichromacy



Original Color

51.5449, 0.2778, 0.5200



Protanomaly

47.0678, 0.3331, 0.4861



Deuteranomaly

45.6940, 0.3382, 0.4593



Tritanomaly

50.6151, 0.2462, 0.3786

Monochromacy



Original Color

51.5449, 0.2778, 0.5200



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

31.9804, 0.2807, 0.4079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5449, 0.2778, 0.5200 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, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 98)  
}
```

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, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 98) }
```

Border

The CSS property to change the border of an element to Yxy 51.5449, 0.2778, 0.5200 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, 98) }
```

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

```
.border{ border-color:rgb(0, 219, 98) }
```

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, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 219, 98)  
}
```


Background

The CSS property to change the background color of an element to Yxy 51.5449, 0.2778, 0.5200 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, 98) }
```

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

```
.background{ background-color: rgb(0, 219,  
98) }
```

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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