

Converting Colors

$Y_{xy}(52.3891, 0.2665, 0.4791)$

Have a look what the booklet for
Yxy(52.3891, 0.2665, 0.4791)
contains.

Yxy(52.1502, 0.2661, 0.4779)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.1502, 0.2661, 0.4779)

Conversions

Conversions Part 1

Format	Color
Hex	00DB7D
RGB	0, 219, 125
RGB Percent	0%, 86%, 49%
CMY	0.9992, 0.1411, 0.5098
CMYK	1.00, 0.00, 0.43, 0.14
HSL	154°, 100%, 43%
HSV	154°, 100%, 86%
XYZ	29.0378, 52.1502, 27.9357
YIQ	142.8030, -100.3500, -75.6620

Conversions

Conversions Part 2

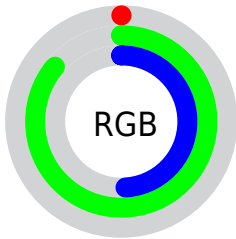
Format	Color
RYB	0, 139, 219
Decimal	56189
CIELab	77.37, -65.71, 33.90
CIELCh	77, 73.935, 152.711
Yxy	52.1502, 0.2661, 0.4779
Android (android.graphics.Color)	4278246269 (0xFF00DB7D)
YUV	142.8030, -8.7769, -125.2382
Hunter-Lab	72.2151, -54.6013, 27.6148

Details

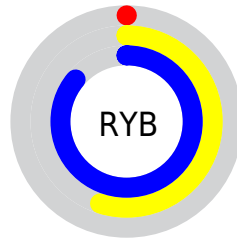
The Yxy color **52.1502, 0.2661, 0.4779** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.8785, 0.5280, 0.2683**, and the grayscale version is **27.4788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8388, 0.2728, 0.4260**, and **26.3351, 0.2759, 0.5133** is the 20% darker color. If you saturate the color by 10%, you get **52.1489, 0.2661, 0.4780**, and if you desaturate by 10%, it is **52.5747, 0.2635, 0.4618**.

Distribution



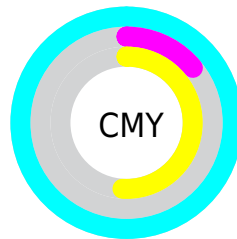
- Red (0%)
- Green (86%)
- Blue (49%)



- Red (0%)
- Yellow (55%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1502, 0.2661, 0.4779 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 52.1502, 0.2661, 0.4779 by changing the saturation by 10% instead.


 52.1502, 0.2661,
0.4779


 52.1502, 0.2661,
0.4779


395.0162, 0.2922,
0.3988


 37.1248, 0.2587,
0.4989


 93.3527, 0.2762,
0.4482

 25.3041, 0.2488,
0.5264


 120.2986, 0.2798,
0.4373


 16.3038, 0.2347,
0.5638


 151.9868, 0.2828,
0.4282

 9.7394, 0.2138,
0.6170

 188.8017, 0.2853,
0.4205

 5.2265, 0.1804,
0.6959

 231.1277, 0.2874,
0.4139

 2.3808, 0.0859,
0.9141

279.3492, 0.2892,

 0.8160, 0.0000,

0.4082

1.0000

333.8506, 0.2908,
0.4032

■ 0.0000, 0.0000,
0.0000

■ 52.1502, 0.2661,
0.4779

■ 52.1502, 0.2661,
0.4779

■ 52.1489, 0.2661,
0.4780

■ 52.5747, 0.2635,
0.4618

■ 53.2139, 0.2626,
0.4452

■ 54.1326, 0.2638,
0.4283

■ 55.3668, 0.2669,
0.4115

■ 56.9467, 0.2719,
0.3952

■ 58.8991, 0.2783,
0.3797

■ 61.2477, 0.2859,
0.3652

■ 64.0146, 0.2944,
0.3519

■ 67.2199, 0.3035,
0.3398

Harmonies

Analogous

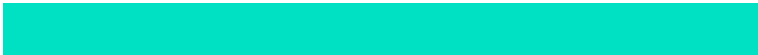
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.1502, 0.3569, 0.5139



52.1502, 0.2661, 0.4779



52.1502, 0.1931, 0.3733

Triad

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



52.1502, 0.2661, 0.4779



52.1502, 0.1821, 0.1867



52.1502, 0.5000, 0.3418

Complementary

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



52.1502, 0.2661, 0.4779



15.8785, 0.5280, 0.2683

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.



52.1502, 0.4383, 0.2782



52.1502, 0.2661, 0.4779



52.1502, 0.2445, 0.1936

Square

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



52.1502, 0.2661, 0.4779



52.1502, 0.1530, 0.2096



52.1502, 0.3379, 0.2258



52.1502, 0.4971, 0.4103

Rectangle

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



52.1502, 0.2661, 0.4779



52.1502, 0.1639, 0.3011



52.1502, 0.3379, 0.2258



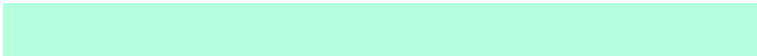
52.1502, 0.4862, 0.3199

Sweetspot

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



52.1523, 0.2661, 0.4779



86.3252, 0.2857, 0.3657



53.1047, 0.3273, 0.5783



18.1622, 0.2823, 0.3717



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.



52.1523, 0.2661, 0.4779



73.5779, 0.2665, 0.4794



48.5051, 0.2189, 0.3078



14.7301, 0.3039, 0.3392



30.9397, 0.2655, 0.4756



2.0216, 0.2581, 0.4492

Inverse Universe

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



15.8785, 0.5280, 0.2683



22.3763, 0.5303, 0.2695



15.3982, 0.6359, 0.3332



13.1439, 0.3225, 0.3190



9.4311, 0.5245, 0.2663



0.6280, 0.4832, 0.2436

Previews

White Background



This preview shows how the Yxy color 52.1502, 0.2661, 0.4779 looks on a white background.

Color Contrast Check

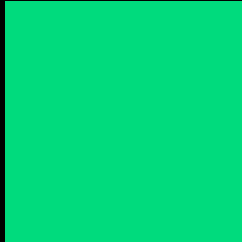
Large Text (above 18pt) WCAG AA × Fail

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 52.1502, 0.2661, 0.4779 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 52.1502, 0.2661, 0.4779

Background



This preview shows how black text looks on a background with the Yxy color 52.1502, 0.2661, 0.4779.



This preview shows how white text looks on a background with the Yxy color 52.1502, 0.2661, 0.4779.

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

52.1437, 0.2661, 0.4779

Protanopia

51.3072, 0.3873, 0.4212

Deuteranopia

50.7765, 0.3922, 0.3839



Tritanopia

51.7568, 0.2312, 0.3056

Trichromacy



Original Color

52.1437, 0.2661, 0.4779



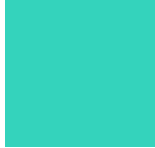
Protanomaly

47.9868, 0.3168, 0.4515



Deuteranomaly

46.5085, 0.3175, 0.4226



Tritanomaly

50.9494, 0.2407, 0.3630

Monochromacy



Original Color

52.1437, 0.2661, 0.4779



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

33.1275, 0.2747, 0.3902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1502, 0.2661, 0.4779 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 125) }
```

Border

The CSS property to change the border of an element to Yxy 52.1502, 0.2661, 0.4779 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, 125) }
```

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

```
.border{ border-color:rgb(0, 219, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 125);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1502, 0.2661, 0.4779 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, 125) }
```

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

```
.background{ background-color: rgb(0, 219,  
125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor