

Converting Colors

$Y_{xy}(52.1223, 0.2484, 0.4135)$

Have a look what the booklet for
Yxy(52.1223, 0.2484, 0.4135)
contains.

Yxy(52.2537, 0.2485, 0.4139)	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(52.2537, 0.2485, 0.4139)

Conversions

Conversions Part 1

Format	Color
Hex	03D9A2
RGB	3, 217, 162
RGB Percent	1%, 85%, 64%
CMY	0.9883, 0.1490, 0.3646
CMYK	0.99, 0.00, 0.25, 0.15
HSL	165°, 97%, 43%
HSV	165°, 99%, 85%
XYZ	31.3724, 52.2537, 42.6210
YIQ	146.7440, -109.8890, -62.4730

Conversions

Conversions Part 2

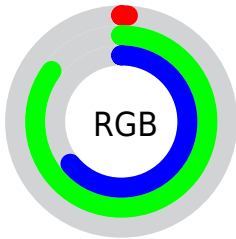
Format	Color
R _Y B	3, 126, 217
Decimal	252322
CIE Lab	77.43, -57.18, 14.79
CIE LCh	77, 59.060, 165.500
Yxy	52.2537, 0.2485, 0.4139
Android (android.graphics.Color)	4278442402 (0xFF03D9A2)
YUV	146.7440, 7.5212, -126.0635
Hunter-Lab	72.2867, -49.0328, 15.6427

Details

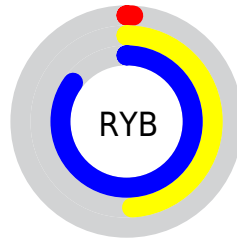
The Yxy color **52.2537, 0.2485, 0.4139** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **15.1218, 0.5894, 0.3030**, and the grayscale version is **29.0664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5939, 0.2558, 0.3755**, and **26.6155, 0.2541, 0.4346** is the 20% darker color. If you saturate the color by 10%, you get **52.2095, 0.2487, 0.4152**, and if you desaturate by 10%, it is **52.6418, 0.2476, 0.4044**.

Distribution



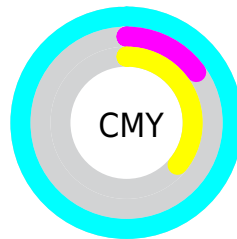
- Red (1%)
- Green (85%)
- Blue (64%)



- Red (1%)
- Yellow (49%)
- Blue (85%)



- Cyan (99%)
- Magenta (0%)
- Yellow (25%)
- Black (15%)





- Cyan (99%)
- Magenta (15%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2537, 0.2485, 0.4139 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 52.2537, 0.2485, 0.4139 by changing the saturation by 10% instead.


 52.2537, 0.2485,
0.4139


 52.2537, 0.2485,
0.4139


395.4152, 0.2808,
0.3701


 37.2073, 0.2404,
0.4252


 93.5053, 0.2603,
0.3977

 25.3681, 0.2300,
0.4400


 120.4793, 0.2647,
0.3917


 16.3515, 0.2162,
0.4599


 152.1980, 0.2684,
0.3867

 9.7732, 0.1972,
0.4883

 189.0457, 0.2716,
0.3824

 5.2489, 0.1693,
0.5316

 231.4069, 0.2744,
0.3787

 2.3940, 0.1123,
0.6133

279.6660, 0.2768,

 0.8228, 0.0000,

0.3754

1.0000

334.2073, 0.2789,
0.3726

■ 0.0000, 0.0000,
0.0000

■ 52.2537, 0.2485,
0.4139

■ 52.2537, 0.2485,
0.4139

■ 52.2095, 0.2487,
0.4152

■ 52.6418, 0.2476,
0.4044

■ 53.2405, 0.2485,
0.3947

■ 54.1032, 0.2513,
0.3851

■ 55.2637, 0.2561,
0.3755

■ 56.7507, 0.2628,
0.3663

■ 58.5894, 0.2710,
0.3575

■ 60.8026, 0.2806,
0.3492

■ 63.4109, 0.2912,
0.3416

■ 66.4338, 0.3026,
0.3345

Harmonies

Analogous

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



52.2537, 0.3205, 0.4697



52.2537, 0.2485, 0.4139



52.2537, 0.1978, 0.3286

Triad

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



52.2537, 0.2485, 0.4139



52.2537, 0.2238, 0.2099



52.2537, 0.4698, 0.3686

Complementary

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



52.2537, 0.2485, 0.4139



15.1218, 0.5894, 0.3030

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.



52.2537, 0.4399, 0.3113



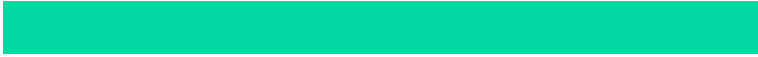
52.2537, 0.2485, 0.4139



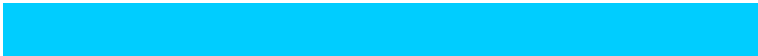
52.2537, 0.2883, 0.2251

Square

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



52.2537, 0.2485, 0.4139



52.2537, 0.1864, 0.2194



52.2537, 0.3693, 0.2609



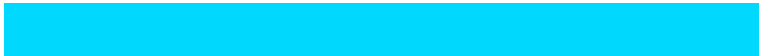
52.2537, 0.4504, 0.4253

Rectangle

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



52.2537, 0.2485, 0.4139



52.2537, 0.1807, 0.2784



52.2537, 0.3693, 0.2609



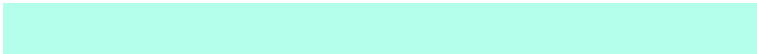
52.2537, 0.4655, 0.3491

Sweetspot

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



52.2557, 0.2485, 0.4139



87.0624, 0.2790, 0.3506



50.5960, 0.3114, 0.5901



18.3383, 0.2748, 0.3540



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.



52.2557, 0.2485, 0.4139



75.2153, 0.2489, 0.4161



32.6895, 0.2036, 0.2521



14.7694, 0.3016, 0.3351



31.6218, 0.2483, 0.4138



2.0623, 0.2440, 0.3982

Inverse Universe

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



15.1218, 0.5894, 0.3030



21.6476, 0.5954, 0.3054



17.2970, 0.6097, 0.3527



13.1062, 0.3251, 0.3230



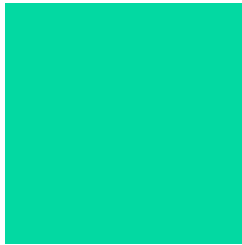
9.1159, 0.5897, 0.3022



0.6046, 0.5428, 0.2764

Previews

White Background



This preview shows how the Yxy color 52.2537, 0.2485, 0.4139 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 52.2537, 0.2485, 0.4139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

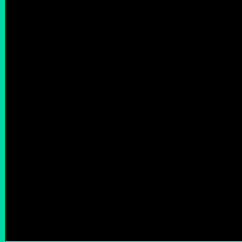
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

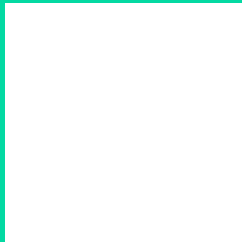
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.2537, 0.2485, 0.4139

Background



This preview shows how black text looks on a background with the Yxy color 52.2537, 0.2485, 0.4139.

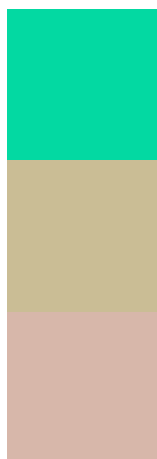


This preview shows how white text looks on a background with the Yxy color 52.2537, 0.2485, 0.4139.

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

52.2537, 0.2485, 0.4139

Protanopia

51.1217, 0.3557, 0.3790

Deuteranopia

51.2163, 0.3514, 0.3447



Tritanopia

52.3940, 0.2278, 0.3056

Trichromacy



Original Color

52.2537, 0.2485, 0.4139



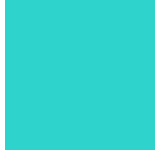
Protanomaly

47.9258, 0.2923, 0.3950



Deuteranomaly

47.2235, 0.2890, 0.3692



Tritanomaly

51.9796, 0.2331, 0.3418

Monochromacy



Original Color

52.2537, 0.2485, 0.4139



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

34.2049, 0.2665, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2537, 0.2485, 0.4139 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(3, 217, 162)` looks like.

```
.text, #text, p{  
    color:rgb(3, 217, 162)  
}
```

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(3, 217, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 217, 162) }
```

Border

The CSS property to change the border of an element to Yxy 52.2537, 0.2485, 0.4139 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(3, 217, 162) }
```

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

```
.border{ border-color:rgb(3, 217, 162) }
```

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

Here you see how a box with a 4 pixel rgb(3, 217, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 217, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 217, 162);  
box-shadow:4px 4px 4px 4px rgb(3, 217,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2537, 0.2485, 0.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 217, 162) }
```

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

```
.background{ background-color: rgb(3, 217,  
162) }
```

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