

Converting Colors

$Y_{xy}(50.3860, 0.2390, 0.4562)$

Have a look what the booklet for
Yxy(50.3860, 0.2390, 0.4562)
contains.

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Color

Yxy(52.0659, 0.2584, 0.4503)

Conversions

Conversions Part 1

Format	Color
Hex	00DA8D
RGB	0, 218, 141
RGB Percent	0%, 85%, 55%
CMY	1.0000, 0.1451, 0.4470
CMYK	1.00, 0.00, 0.35, 0.15
HSL	159°, 100%, 43%
HSV	159°, 100%, 85%
XYZ	29.8775, 52.0659, 33.6815
YIQ	144.0400, -105.2110, -70.1630

Conversions

Conversions Part 2

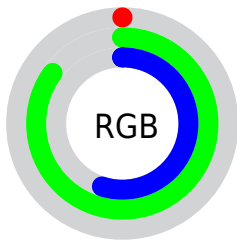
Format	Color
RYB	0, 132, 218
Decimal	55949
CIELab	77.32, -62.27, 25.64
CIElCh	77, 67.344, 157.625
Yxy	52.0659, 0.2584, 0.4503
Android (android.graphics.Color)	4278246029 (0xFF00DA8D)
YUV	144.0400, -1.4987, -126.3231
Hunter-Lab	72.1567, -52.3638, 22.8341

Details

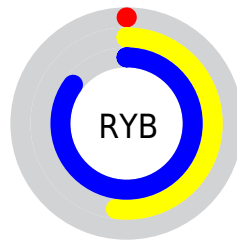
The Yxy color **52.0659, 0.2584, 0.4503** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.4420, 0.5592, 0.2854**, and the grayscale version is **27.9470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4634, 0.2652, 0.4045**, and **26.5788, 0.2667, 0.4800** is the 20% darker color. If you saturate the color by 10%, you get **52.0697, 0.2584, 0.4503**, and if you desaturate by 10%, it is **52.4753, 0.2565, 0.4369**.

Distribution



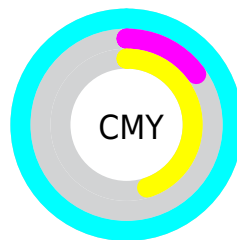
- Red (0%)
- Green (85%)
- Blue (55%)



- Red (0%)
- Yellow (52%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0659, 0.2584, 0.4503 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 52.0659, 0.2584, 0.4503 by changing the saturation by 10% instead.


 52.0659, 0.2584,
0.4503


 52.0659, 0.2584,
0.4503


394.6910, 0.2871,
0.3864

 37.0576, 0.2508,
0.4672


 93.2284, 0.2692,
0.4264


 25.2521, 0.2408,
0.4893


 120.1514, 0.2731,
0.4176

 16.2650, 0.2270,
0.5195


 151.8148, 0.2764,
0.4103

 9.7119, 0.2073,
0.5629

 188.6030, 0.2792,
0.4041

 5.2083, 0.1770,
0.6290

 230.9002, 0.2816,
0.3987

 2.3700, 0.1018,
0.7986

279.0911, 0.2837,

 0.8104, 0.0000,

0.3941

1.0000

333.5599, 0.2855,
0.3900

■ 0.0000, 0.0000,
0.0000

■ 52.0659, 0.2584,
0.4503

■ 52.0659, 0.2584,
0.4503

■ 52.0697, 0.2584,
0.4503

■ 52.4753, 0.2565,
0.4369

■ 53.0872, 0.2562,
0.4233

■ 53.9682, 0.2580,
0.4096

■ 55.1535, 0.2617,
0.3960

■ 56.6729, 0.2673,
0.3829

■ 58.5526, 0.2745,
0.3704

■ 60.8160, 0.2829,
0.3586

■ 63.4845, 0.2923,
0.3478

■ 66.5779, 0.3023,
0.3379

Harmonies

Analogous

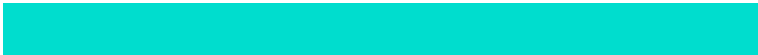
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.0659, 0.3417, 0.4968



52.0659, 0.2584, 0.4503



52.0659, 0.1947, 0.3531

Triad

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



52.0659, 0.2584, 0.4503



52.0659, 0.1991, 0.1961



52.0659, 0.4879, 0.3533

Complementary

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



52.0659, 0.2584, 0.4503



15.4420, 0.5592, 0.2854

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.



52.0659, 0.4400, 0.2921



52.0659, 0.2584, 0.4503



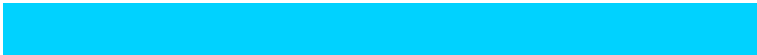
52.0659, 0.2628, 0.2065

Square

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



52.0659, 0.2584, 0.4503



52.0659, 0.1665, 0.2134



52.0659, 0.3518, 0.2404



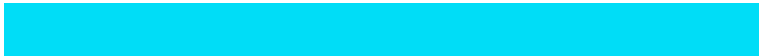
52.0659, 0.4777, 0.4176

Rectangle

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



52.0659, 0.2584, 0.4503



52.0659, 0.1706, 0.2906



52.0659, 0.3518, 0.2404



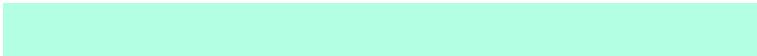
52.0659, 0.4783, 0.3323

Sweetspot

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



52.0697, 0.2584, 0.4503



86.6448, 0.2827, 0.3589



51.8487, 0.3198, 0.5843



18.2383, 0.2790, 0.3638



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.



52.0697, 0.2584, 0.4503



74.2348, 0.2587, 0.4514



41.4311, 0.2127, 0.2858



14.7474, 0.3029, 0.3374



31.2143, 0.2579, 0.4483



2.0384, 0.2518, 0.4265

Inverse Universe

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



15.4420, 0.5592, 0.2854



21.9990, 0.5614, 0.2866



15.7884, 0.6294, 0.3385



13.1271, 0.3237, 0.3208



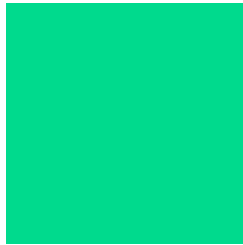
9.2694, 0.5553, 0.2833



0.6166, 0.5099, 0.2583

Previews

White Background



This preview shows how the Yxy color 52.0659, 0.2584, 0.4503 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 52.0659, 0.2584, 0.4503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

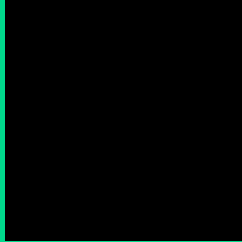
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.0659, 0.2584, 0.4503

Background



This preview shows how black text looks on a background with the Yxy color 52.0659, 0.2584, 0.4503.

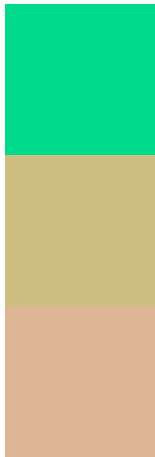


This preview shows how white text looks on a background with the Yxy color 52.0659, 0.2584, 0.4503.

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

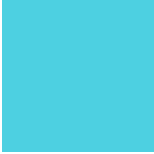
52.0659, 0.2584, 0.4503

Protanopia

50.9593, 0.3745, 0.4031

Deuteranopia

50.9980, 0.3752, 0.3682



Tritanopia

52.1258, 0.2299, 0.3056

Trichromacy



Original Color

52.0659, 0.2584, 0.4503



Protanomaly

47.7478, 0.3059, 0.4284



Deuteranomaly

46.7683, 0.3056, 0.4004



Tritanomaly

51.6350, 0.2377, 0.3552

Monochromacy



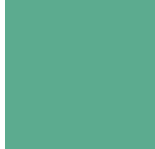
Original Color

52.0659, 0.2584, 0.4503



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

33.3843, 0.2705, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0659, 0.2584, 0.4503 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 141) }
```

Border

The CSS property to change the border of an element to Yxy 52.0659, 0.2584, 0.4503 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, 141) }
```

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

```
.border{ border-color:rgb(0, 218, 141) }
```

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, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 218, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 218,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0659, 0.2584, 0.4503 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, 141) }
```

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

```
.background{ background-color: rgb(0, 218,  
141) }
```

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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