

Converting Colors

$Y_{xy}(57.7268, 0.2491, 0.4169)$

Have a look what the booklet for
Yxy(57.7268, 0.2491, 0.4169)
contains.

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Color

Yxy(57.7653, 0.2490, 0.4165)

Conversions

Conversions Part 1

Format	Color
Hex	00E3A8
RGB	0, 227, 168
RGB Percent	0%, 89%, 66%
CMY	1.0000, 0.1098, 0.3410
CMYK	1.00, 0.00, 0.26, 0.11
HSL	164°, 100%, 45%
HSV	164°, 100%, 89%
XYZ	34.5344, 57.7653, 46.3925
YIQ	152.4010, -116.3530, -66.4730

Conversions

Conversions Part 2

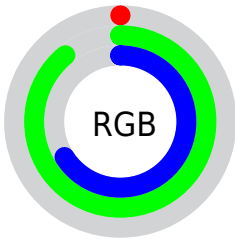
Format	Color
RYB	0, 130, 227
Decimal	58280
CIELab	80.61, -59.63, 16.07
CIElCh	81, 61.756, 164.918
Yxy	57.7653, 0.2490, 0.4165
Android (android.graphics.Color)	4278248360 (0xFF00E3A8)
YUV	152.4010, 7.6903, -133.6557
Hunter-Lab	76.0035, -51.8995, 17.0118

Details

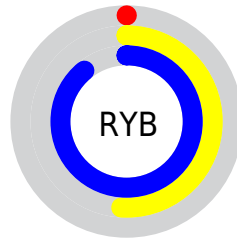
The Yxy color **57.7653, 0.2490, 0.4165** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.6476, 0.5930, 0.3040**, and the grayscale version is **31.5892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0359, 0.2539, 0.3677**, and **30.0104, 0.2543, 0.4354** is the 20% darker color. If you saturate the color by 10%, you get **57.7710, 0.2490, 0.4165**, and if you desaturate by 10%, it is **58.1745, 0.2479, 0.4068**.

Distribution



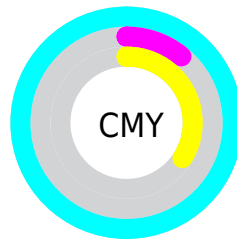
- Red (0%)
- Green (89%)
- Blue (66%)



- Red (0%)
- Yellow (51%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.7653, 0.2490, 0.4165 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 57.7653, 0.2490, 0.4165 by changing the saturation by 10% instead.


 57.7653, 0.2490,
0.4165


 57.7653, 0.2490,
0.4165


416.3108, 0.2806,
0.3720


 41.6200, 0.2412,
0.4278


 101.5810, 0.2604,
0.4002


 28.8039, 0.2313,
0.4423


 130.0202, 0.2647,
0.3941

 18.9325, 0.2183,
0.4618


 163.3261, 0.2684,
0.3890

 11.6215, 0.2005,
0.4891

 201.8832, 0.2715,
0.3846

 6.4865, 0.1750,
0.5297

 246.0758, 0.2743,
0.3808

 3.1431, 0.1352,
0.5960

296.2884, 0.2766,

 1.2069, 0.0000,

0.3775

0.8860

352.9052, 0.2788,
0.3746

■ 0.0673, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.7653, 0.2490,
0.4165

■ 57.7653, 0.2490,
0.4165

■ 57.7710, 0.2490,
0.4165

■ 58.1745, 0.2479,
0.4068

■ 58.7979, 0.2484,
0.3970

■ 59.7087, 0.2510,
0.3872

■ 60.9458, 0.2555,
0.3775

■ 62.5419, 0.2618,
0.3681

■ 64.5257, 0.2699,
0.3591

■ 66.9229, 0.2793,
0.3506

■ 69.7569, 0.2897,
0.3428

■ 73.0496, 0.3010,
0.3355

Harmonies

Analogous

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



57.7653, 0.3219, 0.4720



57.7653, 0.2490, 0.4165



57.7653, 0.1973, 0.3302

Triad

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



57.7653, 0.2490, 0.4165



57.7653, 0.2219, 0.2087



57.7653, 0.4714, 0.3676

Complementary

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



57.7653, 0.2490, 0.4165



16.6476, 0.5930, 0.3040

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.



57.7653, 0.4403, 0.3100



57.7653, 0.2490, 0.4165



57.7653, 0.2865, 0.2236

Square

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



57.7653, 0.2490, 0.4165



57.7653, 0.1848, 0.2188



57.7653, 0.3683, 0.2594



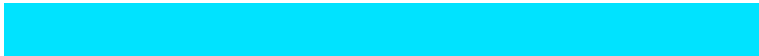
57.7653, 0.4525, 0.4250

Rectangle

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



57.7653, 0.2490, 0.4165



57.7653, 0.1798, 0.2790



57.7653, 0.3683, 0.2594



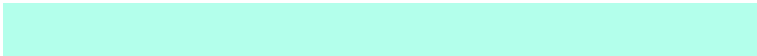
57.7653, 0.4667, 0.3480

Sweetspot

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



57.7710, 0.2490, 0.4165



87.0498, 0.2791, 0.3508



55.9199, 0.3107, 0.5915



18.3353, 0.2749, 0.3543



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.



57.7710, 0.2490, 0.4165



75.1836, 0.2492, 0.4171



35.8338, 0.2030, 0.2507



16.2691, 0.3016, 0.3352



33.7096, 0.2486, 0.4150



2.5060, 0.2447, 0.4009

Inverse Universe

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



16.6476, 0.5930, 0.3040



21.6562, 0.5945, 0.3049



18.8755, 0.6132, 0.3513



14.4291, 0.3252, 0.3229



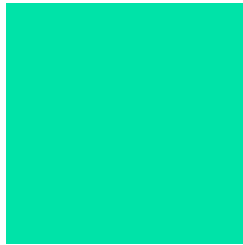
9.7244, 0.5893, 0.3020



0.7335, 0.5478, 0.2791

Previews

White Background



This preview shows how the Yxy color 57.7653, 0.2490, 0.4165 looks on a white background.

Color Contrast Check

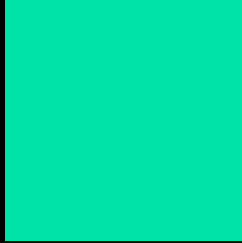
Large Text (above 18pt) WCAG AA × Fail

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 57.7653, 0.2490, 0.4165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

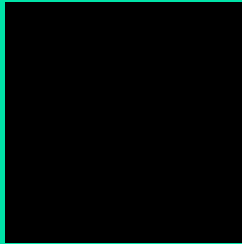
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

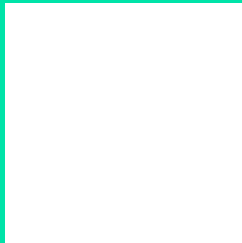
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.7653, 0.2490, 0.4165

Background



This preview shows how black text looks on a background with the Yxy color 57.7653, 0.2490, 0.4165.



This preview shows how white text looks on a background with the Yxy color 57.7653, 0.2490, 0.4165.

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

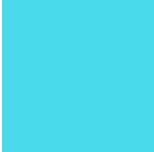
57.7653, 0.2490, 0.4165

Protanopia

56.5701, 0.3570, 0.3818

Deuteranopia

56.5649, 0.3541, 0.3463



Tritanopia

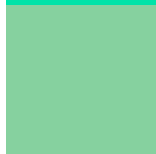
57.6154, 0.2276, 0.3052

Trichromacy



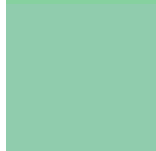
Original Color

57.7653, 0.2490, 0.4165



Protanomaly

53.1725, 0.2922, 0.3996



Deuteranomaly

52.1322, 0.2898, 0.3718



Tritanomaly

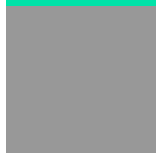
56.9969, 0.2329, 0.3427

Monochromacy



Original Color

57.7653, 0.2490, 0.4165



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

37.2502, 0.2654, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7653, 0.2490, 0.4165 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, 227, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 168)  
}
```

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, 227, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 168) }
```

Border

The CSS property to change the border of an element to Yxy 57.7653, 0.2490, 0.4165 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, 227, 168) }
```

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

```
.border{ border-color:rgb(0, 227, 168) }
```

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

Here you see how a box with a 4 pixel rgb(0, 227, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7653, 0.2490, 0.4165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 168) }
```

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

```
.background{ background-color: rgb(0, 227,  
168) }
```

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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