

Converting Colors

$Y_{xy}(57.4033, 0.2424, 0.3970)$

Have a look what the booklet for
Yxy(57.4033, 0.2424, 0.3970)
contains.

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Color

Yxy(57.6474, 0.2439, 0.3979)

Conversions

Conversions Part 1

Format	Color
Hex	01E2B3
RGB	1, 226, 179
RGB Percent	0%, 89%, 70%
CMY	0.9975, 0.1137, 0.2982
CMYK	1.00, 0.00, 0.21, 0.11
HSL	167°, 99%, 44%
HSV	167°, 100%, 89%
XYZ	35.3360, 57.6474, 51.8957
YIQ	153.3670, -119.0130, -62.3170

Conversions

Conversions Part 2

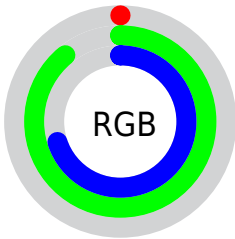
Format	Color
RYB	1, 127, 226
Decimal	123571
CIELab	80.54, -56.61, 10.23
CIELCh	81, 57.522, 169.760
Yxy	57.6474, 0.2439, 0.3979
Android (android.graphics.Color)	4278313651 (0xFF01E2B3)
YUV	153.3670, 12.6371, -133.6259
Hunter-Lab	75.9259, -49.7961, 12.6231

Details

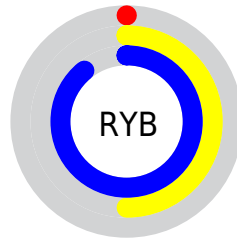
The Yxy color **57.6474, 0.2439, 0.3979** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.3928, 0.6072, 0.3121**, and the grayscale version is **31.9532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7694, 0.2492, 0.3527**, and **29.8823, 0.2480, 0.4128** is the 20% darker color. If you saturate the color by 10%, you get **57.6403, 0.2439, 0.3981**, and if you desaturate by 10%, it is **58.0245, 0.2433, 0.3903**.

Distribution



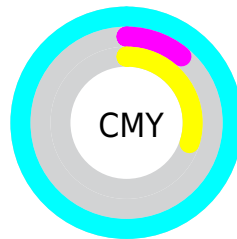
- Red (0%)
- Green (89%)
- Blue (70%)



- Red (0%)
- Yellow (50%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.6474, 0.2439, 0.3979 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 57.6474, 0.2439, 0.3979 by changing the saturation by 10% instead.

 57.6474, 0.2439,
0.3979

 57.6474, 0.2439,
0.3979

415.8708, 0.2775,
0.3634

 41.5252, 0.2358,
0.4065


 101.4092, 0.2559,
0.3854


 28.7297, 0.2256,
0.4175


 129.8177, 0.2605,
0.3807


 18.8765, 0.2124,
0.4321


 163.0903, 0.2643,
0.3767

 11.5810, 0.1945,
0.4523

 201.6116, 0.2677,
0.3733

 6.4591, 0.1694,
0.4819

 245.7659, 0.2706,
0.3703

 3.1262, 0.1320,
0.5293

295.9376, 0.2732,

 1.1980, 0.0000,

0.3677

0.6831

352.5111, 0.2754,
0.3654

■ 0.0600, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.6474, 0.2439,
0.3979

■ 57.6474, 0.2439,
0.3979

■ 57.6403, 0.2439,
0.3981

■ 58.0245, 0.2433,
0.3903

■ 58.6172, 0.2444,
0.3826

■ 59.4921, 0.2474,
0.3749

■ 60.6873, 0.2523,
0.3673

■ 62.2351, 0.2592,
0.3599

■ 64.1636, 0.2677,
0.3528

■ 66.4981, 0.2776,
0.3461

■ 69.2619, 0.2887,
0.3398

■ 72.4761, 0.3006,
0.3341

Harmonies

Analogous

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



57.6474, 0.3105, 0.4565



57.6474, 0.2439, 0.3979



57.6474, 0.1991, 0.3182

Triad

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



57.6474, 0.2439, 0.3979



57.6474, 0.2357, 0.2163



57.6474, 0.4613, 0.3755

Complementary

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



57.6474, 0.2439, 0.3979



16.3928, 0.6072, 0.3121

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.



57.6474, 0.4394, 0.3203



57.6474, 0.2439, 0.3979



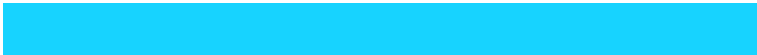
57.6474, 0.3002, 0.2338

Square

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



57.6474, 0.2439, 0.3979



57.6474, 0.1959, 0.2221



57.6474, 0.3771, 0.2706



57.6474, 0.4378, 0.4282

Rectangle

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



57.6474, 0.2439, 0.3979



57.6474, 0.1854, 0.2732



57.6474, 0.3771, 0.2706



57.6474, 0.4593, 0.3570

Sweetspot

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



57.6496, 0.2439, 0.3979



87.2784, 0.2771, 0.3464



55.0579, 0.3074, 0.5940



18.3903, 0.2728, 0.3492



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.



57.6496, 0.2439, 0.3979



75.7742, 0.2441, 0.3986



31.3865, 0.1981, 0.2331



15.5208, 0.3009, 0.3339



32.9020, 0.2436, 0.3969



2.2930, 0.2403, 0.3852

Inverse Universe

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



16.3928, 0.6072, 0.3121



21.5190, 0.6093, 0.3130



19.8916, 0.6017, 0.3602



13.7471, 0.3259, 0.3241



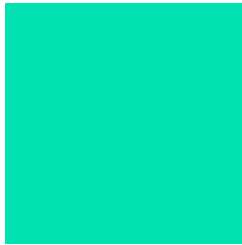
9.3561, 0.6044, 0.3103



0.6615, 0.5616, 0.2868

Previews

White Background



This preview shows how the Yxy color 57.6474, 0.2439, 0.3979 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 57.6474, 0.2439, 0.3979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

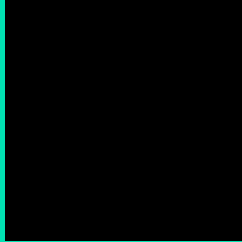
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

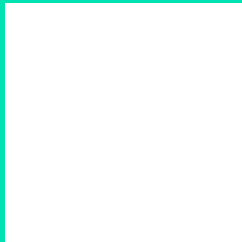
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.6474, 0.2439, 0.3979

Background



This preview shows how black text looks on a background with the Yxy color 57.6474, 0.2439, 0.3979.

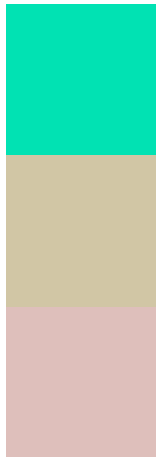


This preview shows how white text looks on a background with the Yxy color 57.6474, 0.2439, 0.3979.

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

57.6538, 0.2439, 0.3979

Protanopia

56.6601, 0.3467, 0.3687

Deuteranopia

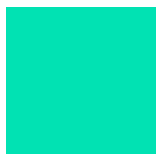
56.3791, 0.3417, 0.3337



Tritanopia

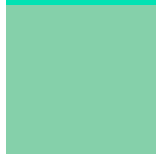
57.4641, 0.2265, 0.3051

Trichromacy



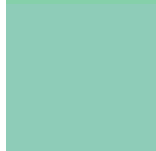
Original Color

57.6538, 0.2439, 0.3979



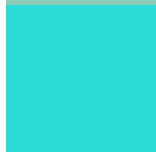
Protanomaly

53.0006, 0.2847, 0.3822



Deuteranomaly

52.3972, 0.2815, 0.3563



Tritanomaly

57.1547, 0.2309, 0.3370

Monochromacy



Original Color

57.6538, 0.2439, 0.3979



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

37.8478, 0.2636, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6474, 0.2439, 0.3979 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(1, 226, 179)` looks like.

```
.text, #text, p{  
    color:rgb(1, 226, 179)  
}
```

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(1, 226, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 226, 179) }
```

Border

The CSS property to change the border of an element to Yxy 57.6474, 0.2439, 0.3979 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(1, 226, 179) }
```

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

```
.border{ border-color:rgb(1, 226, 179) }
```

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

Here you see how a box with a 4 pixel rgb(1, 226, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 226, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 226, 179);  
box-shadow:4px 4px 4px 4px rgb(1, 226,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6474, 0.2439, 0.3979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 226, 179) }
```

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

```
.background{ background-color: rgb(1, 226,  
179) }
```

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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