

Converting Colors

$Y_{xy}(56.5080, 0.2435, 0.4177)$

Have a look what the booklet for
Yxy(56.5080, 0.2435, 0.4177)
contains.

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Color

Yxy(57.1827, 0.2492, 0.4169)

Conversions

Conversions Part 1

Format	Color
Hex	01E2A7
RGB	1, 226, 167
RGB Percent	0%, 89%, 65%
CMY	0.9962, 0.1138, 0.3451
CMYK	1.00, 0.00, 0.26, 0.11
HSL	164°, 99%, 45%
HSV	164°, 100%, 89%
XYZ	34.1807, 57.1827, 45.7983
YIQ	151.9990, -115.1610, -66.0490

Conversions

Conversions Part 2

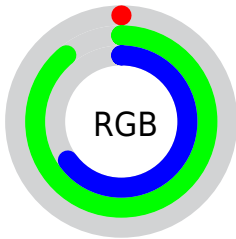
Format	Color
R_{YB}	1, 130, 226
Decimal	123559
CIE _{Lab}	80.28, -59.45, 16.15
CIE _{LCh}	80, 61.601, 164.798
Yxy	57.1827, 0.2492, 0.4169
Android (android.graphics.Color)	4278313639 (0xFF01E2A7)
YUV	151.9990, 7.3955, -132.4261
Hunter-Lab	75.6192, -51.6498, 17.0249

Details

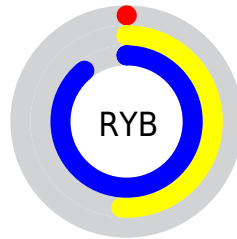
The Yxy color **57.1827, 0.2492, 0.4169** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.5145, 0.5910, 0.3032**, and the grayscale version is **31.3986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9821, 0.2543, 0.3690**, and **29.6137, 0.2544, 0.4360** is the 20% darker color. If you saturate the color by 10%, you get **57.1692, 0.2493, 0.4173**, and if you desaturate by 10%, it is **57.5919, 0.2481, 0.4071**.

Distribution



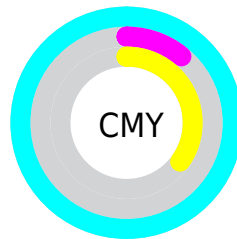
- Red (0%)
- Green (89%)
- Blue (65%)



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



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





- Cyan (100%)
- Magenta (11%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.1827, 0.2492, 0.4169 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 57.1827, 0.2492, 0.4169 by changing the saturation by 10% instead.

 57.1827, 0.2492,
0.4169


 57.1827, 0.2492,
0.4169

414.1336, 0.2808,
0.3721


 41.1519, 0.2414,
0.4283


 100.7317, 0.2606,
0.4005


 28.4378, 0.2315,
0.4430


 129.0188, 0.2649,
0.3943


 18.6560, 0.2184,
0.4627


 162.1601, 0.2686,
0.3892

 11.4220, 0.2005,
0.4903

 200.5399, 0.2717,
0.3848

 6.3514, 0.1748,
0.5316

 244.5428, 0.2744,
0.3810

 3.0599, 0.1338,
0.5997

294.5531, 0.2768,

 1.1631, 0.0000,

0.3776

0.9135

350.9553, 0.2789,
0.3747

■ 0.0312, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.1827, 0.2492,
0.4169

■ 57.1827, 0.2492,
0.4169

■ 57.1692, 0.2493,
0.4173

■ 57.5919, 0.2481,
0.4071

■ 58.2221, 0.2487,
0.3973

■ 59.1388, 0.2513,
0.3873

■ 60.3801, 0.2559,
0.3776

■ 61.9781, 0.2623,
0.3681

■ 63.9611, 0.2704,
0.3590

■ 66.3543, 0.2798,
0.3505

■ 69.1810, 0.2903,
0.3426

■ 72.4625, 0.3015,
0.3353

Harmonies

Analogous

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



57.1827, 0.3222, 0.4722



57.1827, 0.2492, 0.4169



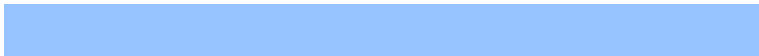
57.1827, 0.1974, 0.3305

Triad

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



57.1827, 0.2492, 0.4169



57.1827, 0.2217, 0.2086



57.1827, 0.4715, 0.3674

Complementary

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



57.1827, 0.2492, 0.4169



16.5145, 0.5910, 0.3032

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.



57.1827, 0.4402, 0.3097



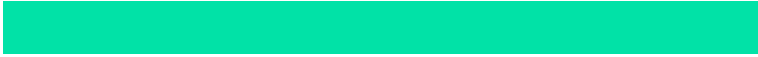
57.1827, 0.2492, 0.4169



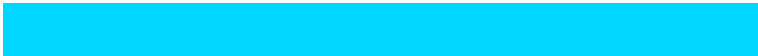
57.1827, 0.2862, 0.2234

Square

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



57.1827, 0.2492, 0.4169



57.1827, 0.1846, 0.2188



57.1827, 0.3680, 0.2591



57.1827, 0.4528, 0.4248

Rectangle

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



57.1827, 0.2492, 0.4169



57.1827, 0.1797, 0.2793



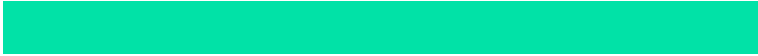
57.1827, 0.3680, 0.2591



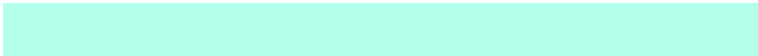
57.1827, 0.4668, 0.3478

Sweetspot

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



57.1849, 0.2492, 0.4169



87.0393, 0.2792, 0.3510



55.3819, 0.3109, 0.5911



18.3328, 0.2750, 0.3546



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.



57.1849, 0.2492, 0.4169



75.1576, 0.2494, 0.4180



35.5717, 0.2032, 0.2511



15.5078, 0.3017, 0.3352



32.6382, 0.2488, 0.4158



2.2768, 0.2446, 0.4007

Inverse Universe

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



16.5145, 0.5910, 0.3032



21.6634, 0.5938, 0.3045



18.7598, 0.6122, 0.3516



13.7592, 0.3251, 0.3229



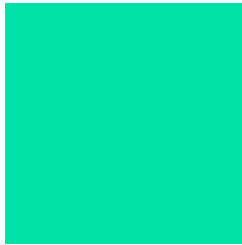
9.4225, 0.5883, 0.3014



0.6677, 0.5442, 0.2771

Previews

White Background



This preview shows how the Yxy color 57.1827, 0.2492, 0.4169 looks on a white background.

Color Contrast Check

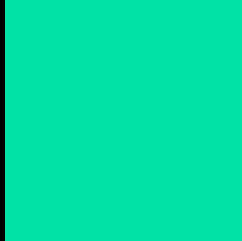
Large Text (above 18pt) WCAG AA × Fail

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 57.1827, 0.2492, 0.4169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

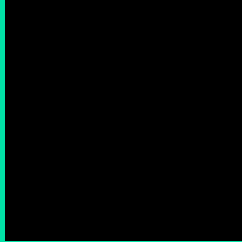
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.1827, 0.2492, 0.4169

Background



This preview shows how black text looks on a background with the Yxy color 57.1827, 0.2492, 0.4169.

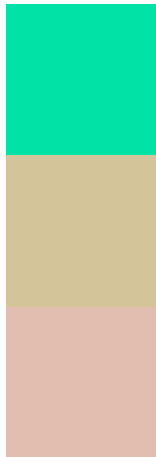


This preview shows how white text looks on a background with the Yxy color 57.1827, 0.2492, 0.4169.

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

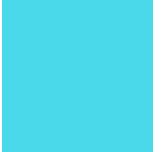
57.1892, 0.2492, 0.4169

Protanopia

56.0813, 0.3580, 0.3819

Deuteranopia

55.9296, 0.3543, 0.3464



Tritanopia

57.0403, 0.2276, 0.3051

Trichromacy



Original Color

57.1892, 0.2492, 0.4169



Protanomaly

52.7313, 0.2935, 0.3997



Deuteranomaly

51.6197, 0.2904, 0.3719



Tritanomaly

56.4439, 0.2332, 0.3427

Monochromacy



Original Color

57.1892, 0.2492, 0.4169



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

37.2159, 0.2660, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1827, 0.2492, 0.4169 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(1, 226, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 226, 167) }
```

Border

The CSS property to change the border of an element to Yxy 57.1827, 0.2492, 0.4169 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, 167) }
```

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

```
.border{ border-color:rgb(1, 226, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 226, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 226, 167);  
box-shadow:4px 4px 4px 4px rgb(1, 226,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1827, 0.2492, 0.4169 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, 167) }
```

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

```
.background{ background-color: rgb(1, 226,  
167) }
```

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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