

Converting Colors

$Y_{xy}(57.2659, 0.2483, 0.4137)$

Have a look what the booklet for
Yxy(57.2659, 0.2483, 0.4137)
contains.

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Color

Yxy(57.2637, 0.2483, 0.4137)

Conversions

Conversions Part 1

Format	Color
Hex	01E2A9
RGB	1, 226, 169
RGB Percent	0%, 89%, 66%
CMY	0.9969, 0.1137, 0.3372
CMYK	1.00, 0.00, 0.25, 0.11
HSL	165°, 99%, 44%
HSV	165°, 100%, 89%
XYZ	34.3693, 57.2637, 46.7854
YIQ	152.2270, -115.8030, -65.4270

Conversions

Conversions Part 2

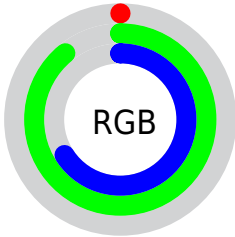
Format	Color
RYB	1, 130, 226
Decimal	123561
CIELab	80.33, -58.99, 15.16
CIELCh	80, 60.906, 165.585
Yxy	57.2637, 0.2483, 0.4137
Android (android.graphics.Color)	4278313641 (0xFF01E2A9)
YUV	152.2270, 8.2691, -132.6261
Hunter-Lab	75.6728, -51.3557, 16.3143

Details

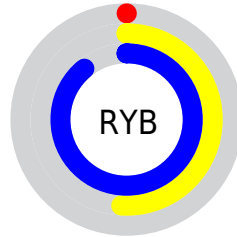
The Yxy color **57.2637, 0.2483, 0.4137** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.4902, 0.5941, 0.3049**, and the grayscale version is **31.4778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0900, 0.2535, 0.3665**, and **29.6603, 0.2533, 0.4318** is the 20% darker color. If you saturate the color by 10%, you get **57.2532, 0.2483, 0.4140**, and if you desaturate by 10%, it is **57.6672, 0.2473, 0.4043**.

Distribution



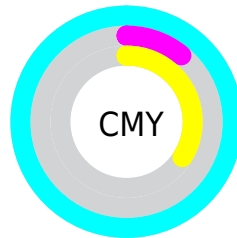
- Red (0%)
- Green (89%)
- Blue (66%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (11%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.2637, 0.2483, 0.4137 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 57.2637, 0.2483, 0.4137 by changing the saturation by 10% instead.


 57.2637, 0.2483,
0.4137


 57.2637, 0.2483,
0.4137


414.4367, 0.2802,
0.3707


 41.2170, 0.2405,
0.4246


 100.8499, 0.2598,
0.3979


 28.4887, 0.2305,
0.4387


 129.1581, 0.2642,
0.3920


 18.6944, 0.2174,
0.4575


 162.3223, 0.2679,
0.3871

 11.4496, 0.1995,
0.4839

 200.7269, 0.2710,
0.3828

 6.3701, 0.1739,
0.5231

 244.7562, 0.2738,
0.3792

 3.0714, 0.1337,
0.5877

294.7947, 0.2762,

 1.1691, 0.0000,

0.3760

0.8635

351.2267, 0.2783,
0.3732

■ 0.0363, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.2637, 0.2483,
0.4137

■ 57.2637, 0.2483,
0.4137

■ 57.2532, 0.2483,
0.4140

■ 57.6672, 0.2473,
0.4043

■ 58.2902, 0.2480,
0.3948

■ 59.1987, 0.2506,
0.3853

■ 60.4308, 0.2552,
0.3759

■ 62.0188, 0.2617,
0.3667

■ 63.9909, 0.2699,
0.3580

■ 66.3724, 0.2794,
0.3498

■ 69.1865, 0.2899,
0.3421

■ 72.4545, 0.3013,
0.3351

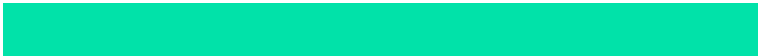
Harmonies

Analogous

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



57.2637, 0.3203, 0.4697



57.2637, 0.2483, 0.4137



57.2637, 0.1976, 0.3284

Triad

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



57.2637, 0.2483, 0.4137



57.2637, 0.2240, 0.2098



57.2637, 0.4699, 0.3687

Complementary

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



57.2637, 0.2483, 0.4137



16.4902, 0.5941, 0.3049

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.



57.2637, 0.4401, 0.3115



57.2637, 0.2483, 0.4137



57.2637, 0.2885, 0.2251

Square

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



57.2637, 0.2483, 0.4137



57.2637, 0.1864, 0.2193



57.2637, 0.3696, 0.2610



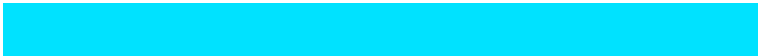
57.2637, 0.4503, 0.4255

Rectangle

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



57.2637, 0.2483, 0.4137



57.2637, 0.1806, 0.2782



57.2637, 0.3696, 0.2610



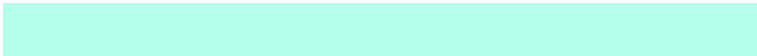
57.2637, 0.4656, 0.3493

Sweetspot

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



57.2659, 0.2483, 0.4137



87.0796, 0.2788, 0.3502



55.3847, 0.3108, 0.5912



18.3425, 0.2747, 0.3537



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.



57.2659, 0.2483, 0.4137



75.2585, 0.2485, 0.4146



35.5589, 0.2031, 0.2511



15.5100, 0.3015, 0.3350



32.6814, 0.2479, 0.4125



2.2794, 0.2439, 0.3980

Inverse Universe

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



16.4902, 0.5941, 0.3049



21.6362, 0.5966, 0.3060



18.7491, 0.6124, 0.3516



13.7572, 0.3252, 0.3231



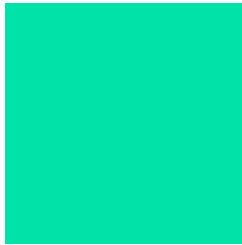
9.4101, 0.5912, 0.3030



0.6666, 0.5472, 0.2788

Previews

White Background



This preview shows how the Yxy color 57.2637, 0.2483, 0.4137 looks on a white background.

Color Contrast Check

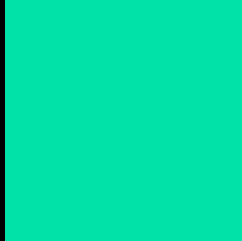
Large Text (above 18pt) WCAG AA × Fail

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 57.2637, 0.2483, 0.4137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

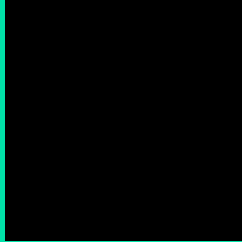
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

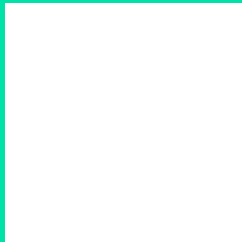
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.2637, 0.2483, 0.4137

Background



This preview shows how black text looks on a background with the Yxy color 57.2637, 0.2483, 0.4137.

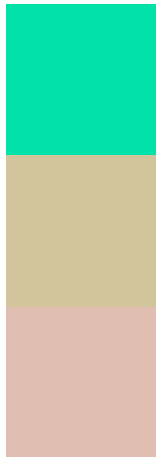


This preview shows how white text looks on a background with the Yxy color 57.2637, 0.2483, 0.4137.

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

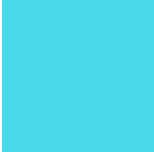
57.2637, 0.2483, 0.4137

Protanopia

56.0007, 0.3556, 0.3796

Deuteranopia

55.8485, 0.3517, 0.3441



Tritanopia

57.0403, 0.2276, 0.3051

Trichromacy



Original Color

57.2637, 0.2483, 0.4137



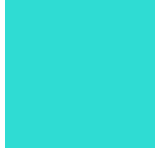
Protanomaly

52.7181, 0.2916, 0.3968



Deuteranomaly

51.6075, 0.2884, 0.3691



Tritanomaly

56.4939, 0.2327, 0.3413

Monochromacy



Original Color

57.2637, 0.2483, 0.4137



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 57.2637, 0.2483, 0.4137 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(1, 226, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 226, 169) }
```

Border

The CSS property to change the border of an element to Yxy 57.2637, 0.2483, 0.4137 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, 169) }
```

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

```
.border{ border-color:rgb(1, 226, 169) }
```

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, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 226, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 226, 169);  
box-shadow:4px 4px 4px 4px rgb(1, 226,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 57.2637, 0.2483, 0.4137 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, 169) }
```

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

```
.background{ background-color: rgb(1, 226,  
169) }
```

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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