

Converting Colors

$Y_{xy}(57.7451, 0.2509, 0.4098)$

Have a look what the booklet for
Yxy(57.7451, 0.2509, 0.4098)
contains.

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Color

Yxy(57.7451, 0.2509, 0.4098)

Conversions

Conversions Part 1

Format	Color
Hex	26E2AB
RGB	38, 226, 171
RGB Percent	15%, 89%, 67%
CMY	0.8498, 0.1138, 0.3294
CMYK	0.83, 0.00, 0.24, 0.11
HSL	162°, 76%, 52%
HSV	162°, 83%, 89%
XYZ	35.3544, 57.7451, 47.8109
YIQ	163.5180, -94.3930, -56.9610

Conversions

Conversions Part 2

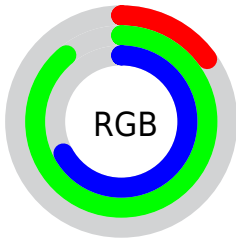
Format	Color
R _Y B	38, 148, 226
Decimal	2548395
CIE Lab	80.60, -56.78, 14.53
CIE LCh	81, 58.608, 165.644
Yxy	57.7451, 0.2509, 0.4098
Android (android.graphics.Color)	4280738475 (0xFF26E2AB)
YUV	163.5180, 3.6886, -110.0793
Hunter-Lab	75.9902, -49.9357, 15.8895

Details

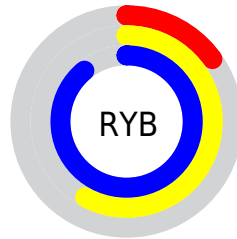
The Yxy color **57.7451, 0.2509, 0.4098** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **18.3688, 0.5272, 0.2844**, and the grayscale version is **36.9423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8625, 0.2561, 0.3636**, and **29.7078, 0.2521, 0.4275** is the 20% darker color. If you saturate the color by 10%, you get **57.1909, 0.2513, 0.4209**, and if you desaturate by 10%, it is **58.5774, 0.2525, 0.3986**.

Distribution



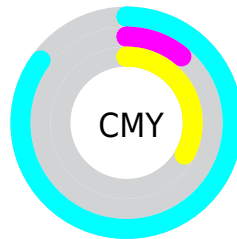
- Red (15%)
- Green (89%)
- Blue (67%)



- Red (15%)
- Yellow (58%)
- Blue (89%)



- Cyan (83%)
- Magenta (0%)
- Yellow (24%)
- Black (11%)




- Cyan (85%)
- Magenta (11%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.7451, 0.2509, 0.4098 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 57.7451, 0.2509, 0.4098 by changing the saturation by 10% instead.


 57.7451, 0.2509,
0.4098


 57.7451, 0.2509,
0.4098


416.2355, 0.2815,
0.3689

 41.6038, 0.2434,
0.4201


 101.5516, 0.2619,
0.3948

 28.7912, 0.2339,
0.4334


 129.9855, 0.2661,
0.3892

 18.9229, 0.2214,
0.4512


 163.2857, 0.2696,
0.3845

 11.6146, 0.2044,
0.4761

 201.8367, 0.2727,
0.3805

 6.4818, 0.1800,
0.5130

 246.0227, 0.2753,
0.3770

 3.1402, 0.1425,
0.5730

296.2283, 0.2776,

 1.2054, 0.0000,

0.3739

0.8218

352.8377, 0.2797,
0.3713

■ 0.0661, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.7451, 0.2509,
0.4098

■ 57.7451, 0.2509,
0.4098

■ 57.1909, 0.2513,
0.4209


■ 58.5774, 0.2525,
0.3986

■ 56.9196, 0.2524,
0.4286


■ 59.7220, 0.2562,
0.3875


■ 61.2151, 0.2617,
0.3766


■ 63.0863, 0.2690,
0.3662

 65.3619, 0.2776,
0.3564

 68.0657, 0.2875,
0.3472

 71.2197, 0.2981,
0.3388

 74.8445, 0.3092,
0.3312

 78.9592, 0.3207,
0.3243

Harmonies

Analogous

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



57.7451, 0.3204, 0.4634



57.7451, 0.2509, 0.4098



57.7451, 0.2018, 0.3286

Triad

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



57.7451, 0.2509, 0.4098



57.7451, 0.2273, 0.2139



57.7451, 0.4638, 0.3682

Complementary

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



57.7451, 0.2509, 0.4098



18.3688, 0.5272, 0.2844

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.



57.7451, 0.4350, 0.3126



57.7451, 0.2509, 0.4098



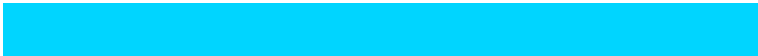
57.7451, 0.2898, 0.2286

Square

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



57.7451, 0.2509, 0.4098



57.7451, 0.1907, 0.2232



57.7451, 0.3676, 0.2636



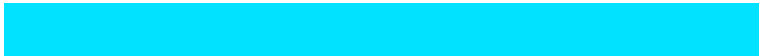
57.7451, 0.4454, 0.4228

Rectangle

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



57.7451, 0.2509, 0.4098



57.7451, 0.1852, 0.2805



57.7451, 0.3676, 0.2636



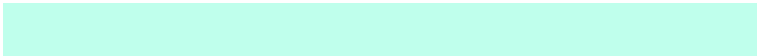
57.7451, 0.4595, 0.3494

Sweetspot

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



57.7474, 0.2509, 0.4098



88.7037, 0.2853, 0.3491



56.9431, 0.3212, 0.5676



18.7123, 0.2818, 0.3523



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.



57.7474, 0.2509, 0.4098



74.8271, 0.2526, 0.4293



42.0696, 0.2131, 0.2749



15.5003, 0.3021, 0.3360



32.4964, 0.2519, 0.4268



2.2679, 0.2472, 0.4098

Inverse Universe

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



18.3688, 0.5272, 0.2844



21.7641, 0.5836, 0.2988



21.4564, 0.5721, 0.3580



13.7663, 0.3246, 0.3222



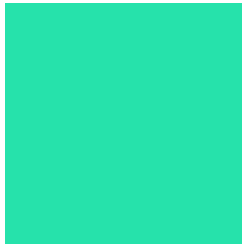
9.4682, 0.5779, 0.2957



0.6716, 0.5337, 0.2714

Previews

White Background



This preview shows how the Yxy color 57.7451, 0.2509, 0.4098 looks on a white background.

Color Contrast Check

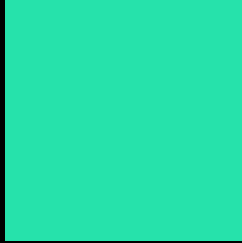
Large Text (above 18pt) WCAG AA × Fail

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 57.7451, 0.2509, 0.4098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

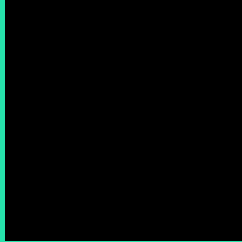
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

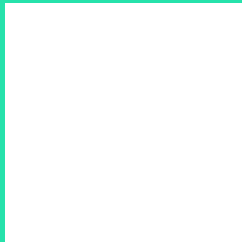
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.7451, 0.2509, 0.4098

Background



This preview shows how black text looks on a background with the Yxy color 57.7451, 0.2509, 0.4098.



This preview shows how white text looks on a background with the Yxy color 57.7451, 0.2509, 0.4098.

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

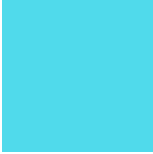
57.7451, 0.2509, 0.4098

Protanopia

56.6714, 0.3546, 0.3782

Deuteranopia

56.3636, 0.3499, 0.3429



Tritanopia

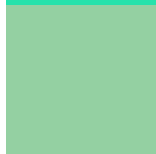
57.8464, 0.2299, 0.3066

Trichromacy



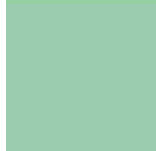
Original Color

57.7451, 0.2509, 0.4098



Protanomaly

54.0163, 0.2998, 0.3922



Deuteranomaly

53.3882, 0.2962, 0.3666



Tritanomaly

57.5902, 0.2365, 0.3412

Monochromacy



Original Color

57.7451, 0.2509, 0.4098



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

42.1822, 0.2744, 0.3593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7451, 0.2509, 0.4098 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(38, 226, 171)` looks like.

```
.text, #text, p{  
    color:rgb(38, 226, 171)  
}
```

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(38, 226, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 226, 171) }
```

Border

The CSS property to change the border of an element to Yxy 57.7451, 0.2509, 0.4098 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(38, 226, 171) }
```

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

```
.border{ border-color:rgb(38, 226, 171) }
```

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

Here you see how a box with a 4 pixel rgb(38, 226, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 226, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 226, 171);  
box-shadow:4px 4px 4px 4px rgb(38, 226,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7451, 0.2509, 0.4098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 226, 171) }
```

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

```
.background{ background-color: rgb(38, 226,  
171) }
```

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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