

Converting Colors

$Y_{xy}(58.8234, 0.2538, 0.4336)$

Have a look what the booklet for
Yxy(58.8234, 0.2538, 0.4336)
contains.

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Color

Yxy(58.5418, 0.2537, 0.4333)

Conversions

Conversions Part 1

Format	Color
Hex	00E59F
RGB	0, 229, 159
RGB Percent	0%, 90%, 62%
CMY	0.9998, 0.1019, 0.3765
CMYK	1.00, 0.00, 0.31, 0.10
HSL	162°, 100%, 45%
HSV	162°, 100%, 90%
XYZ	34.2766, 58.5418, 42.2884
YIQ	152.5490, -114.0140, -70.3180

Conversions

Conversions Part 2

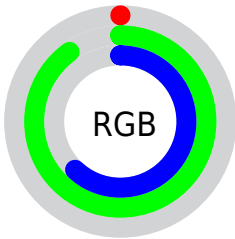
Format	Color
RYB	0, 135, 229
Decimal	58783
CIELab	81.04, -62.38, 21.39
CIELCh	81, 65.941, 161.074
Yxy	58.5418, 0.2537, 0.4333
Android (android.graphics.Color)	4278248863 (0xFF00E59F)
YUV	152.5490, 3.1803, -133.7855
Hunter-Lab	76.5126, -53.9315, 20.7893

Details

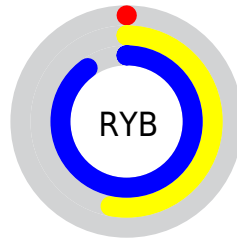
The Yxy color **58.5418, 0.2537, 0.4333** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **17.1026, 0.5776, 0.2955**, and the grayscale version is **31.6784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6262, 0.2582, 0.3792**, and **30.5666, 0.2603, 0.4571** is the 20% darker color. If you saturate the color by 10%, you get **58.5434, 0.2537, 0.4333**, and if you desaturate by 10%, it is **58.9754, 0.2521, 0.4218**.

Distribution



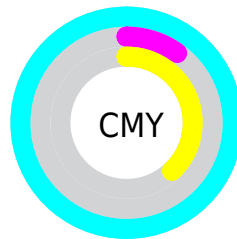
- Red (0%)
- Green (90%)
- Blue (62%)



- Red (0%)
- Yellow (53%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5418, 0.2537, 0.4333 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 58.5418, 0.2537, 0.4333 by changing the saturation by 10% instead.

 58.5418, 0.2537,
0.4333

 58.5418, 0.2537,
0.4333


419.2018, 0.2835,
0.3798


 42.2444, 0.2462,
0.4470


 102.7114, 0.2646,
0.4136

 29.2927, 0.2366,
0.4646


 131.3524, 0.2687,
0.4063


 19.3024, 0.2238,
0.4884


 164.8767, 0.2721,
0.4001

 11.8890, 0.2061,
0.5217

 203.6687, 0.2751,
0.3949

 6.6681, 0.1803,
0.5714

 248.1129, 0.2776,
0.3903

 3.2554, 0.1385,
0.6525

298.5935, 0.2798,

 1.2665, 0.0000,

0.3864

1.0000

355.4950, 0.2818,
0.3829

■ 0.1150, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.5418, 0.2537,
0.4333

■ 58.5418, 0.2537,
0.4333


■ 58.5434, 0.2537,
0.4333

■ 58.9754, 0.2521,
0.4218


■ 59.6352, 0.2522,
0.4101

■ 60.5921, 0.2544,
0.3983

■ 61.8859, 0.2585,
0.3867

 63.5503, 0.2645,
0.3754

 65.6144, 0.2721,
0.3647

 68.1048, 0.2810,
0.3546

 71.0454, 0.2910,
0.3453

 74.4585, 0.3016,
0.3367

Harmonies

Analogous

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



58.5418, 0.3319, 0.4848



58.5418, 0.2537, 0.4333



58.5418, 0.1960, 0.3414

Triad

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



58.5418, 0.2537, 0.4333



58.5418, 0.2103, 0.2023



58.5418, 0.4798, 0.3604

Complementary

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



58.5418, 0.2537, 0.4333



17.1026, 0.5776, 0.2955

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.



58.5418, 0.4404, 0.3009



58.5418, 0.2537, 0.4333



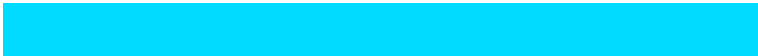
58.5418, 0.2745, 0.2149

Square

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



58.5418, 0.2537, 0.4333



58.5418, 0.1754, 0.2160



58.5418, 0.3602, 0.2497



58.5418, 0.4653, 0.4215

Rectangle

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



58.5418, 0.2537, 0.4333



58.5418, 0.1751, 0.2847



58.5418, 0.3602, 0.2497



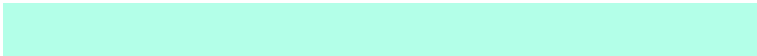
58.5418, 0.4727, 0.3401

Sweetspot

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



58.5441, 0.2537, 0.4333



86.8481, 0.2808, 0.3548



57.4399, 0.3148, 0.5883



18.2869, 0.2769, 0.3590



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.



58.5441, 0.2537, 0.4333



74.6953, 0.2539, 0.4340



41.2102, 0.2079, 0.2684



16.2574, 0.3022, 0.3363



33.4933, 0.2532, 0.4315



2.4914, 0.2485, 0.4146

Inverse Universe

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



17.1026, 0.5776, 0.2955



21.8097, 0.5791, 0.2964



18.3161, 0.6224, 0.3440



14.4402, 0.3245, 0.3218



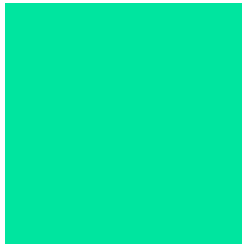
9.7961, 0.5736, 0.2933



0.7400, 0.5320, 0.2704

Previews

White Background



This preview shows how the Yxy color 58.5418, 0.2537, 0.4333 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 58.5418, 0.2537, 0.4333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

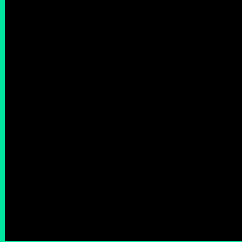
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.5418, 0.2537, 0.4333

Background



This preview shows how black text looks on a background with the Yxy color 58.5418, 0.2537, 0.4333.



This preview shows how white text looks on a background with the Yxy color 58.5418, 0.2537, 0.4333.

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

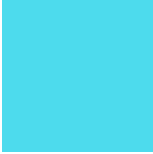
58.5418, 0.2537, 0.4333

Protanopia

57.2183, 0.3654, 0.3919

Deuteranopia

57.3123, 0.3647, 0.3575



Tritanopia

58.3552, 0.2285, 0.3053

Trichromacy



Original Color

58.5418, 0.2537, 0.4333



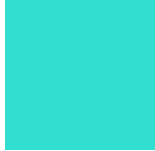
Protanomaly

53.5618, 0.2985, 0.4123



Deuteranomaly

52.4540, 0.2970, 0.3858



Tritanomaly

58.0318, 0.2350, 0.3482

Monochromacy



Original Color

58.5418, 0.2537, 0.4333



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

37.9557, 0.2678, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5418, 0.2537, 0.4333 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, 229, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 229, 159)  
}
```

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, 229, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 159) }
```

Border

The CSS property to change the border of an element to Yxy 58.5418, 0.2537, 0.4333 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, 229, 159) }
```

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

```
.border{ border-color:rgb(0, 229, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 229, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5418, 0.2537, 0.4333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 229, 159) }
```

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

```
.background{ background-color: rgb(0, 229,  
159) }
```

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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