

# Converting Colors

Yxy(58.9743, 0.2558, 0.4321)

Have a look what the booklet for  
Yxy(58.9743, 0.2558, 0.4321)  
contains.

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# Color

**Yxy(58.8379, 0.2555, 0.4311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1DE5A0
RGB	29, 229, 160
RGB Percent	11%, 90%, 63%
CMY	0.8861, 0.1019, 0.3726
CMYK	0.87, 0.00, 0.30, 0.10
HSL	159°, 79%, 51%
HSV	159°, 87%, 90%
XYZ	34.8715, 58.8379, 42.7738
YIQ	161.3340, -97.0510, -63.8590

# Conversions

## Conversions Part 2

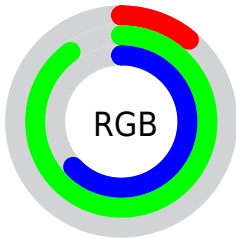
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	29, 150, 229
Decimal	1959328
CIE <sub>Lab</sub>	81.20, -61.03, 21.11
CIE <sub>LCh</sub>	81, 64.582, 160.918
Yxy	58.8379, 0.2555, 0.4311
Android (android.graphics.Color)	4280149408 (0xFF1DE5A0)
YUV	161.3340, -0.6577, -116.0569
Hunter-Lab	76.7059, -53.0869, 20.6320

# Details

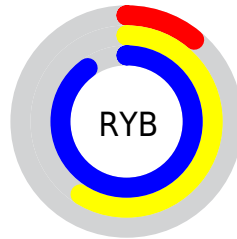
The Yxy color **58.8379, 0.2555, 0.4311** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **18.4224, 0.5244, 0.2763**, and the grayscale version is **35.8482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0711, 0.2599, 0.3777**, and **30.5878, 0.2597, 0.4551** is the 20% darker color. If you saturate the color by 10%, you get **58.3501, 0.2571, 0.4442**, and if you desaturate by 10%, it is **59.5925, 0.2558, 0.4177**.

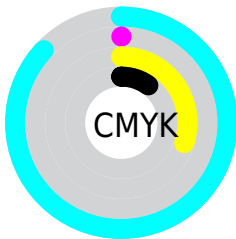
# Distribution



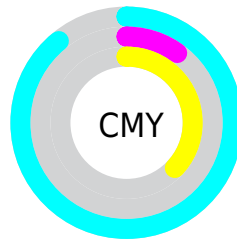
- Red (11%)
- Green (90%)
- Blue (63%)



- Red (11%)
- Yellow (59%)
- Blue (90%)



- Cyan (87%)
- Magenta (0%)
- Yellow (30%)
- Black (10%)




- Cyan (89%)
- Magenta (10%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8379, 0.2555, 0.4311 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 58.8379, 0.2555, 0.4311 by changing the saturation by 10% instead.





 58.8379, 0.2555,  
0.4311

 58.8379, 0.2555,  
0.4311


420.3009, 0.2844,  
0.3789

 42.4826, 0.2482,  
0.4444

 103.1420, 0.2660,  
0.4119


 29.4794, 0.2389,  
0.4617


 131.8597, 0.2700,  
0.4047


 19.4438, 0.2266,  
0.4848

 165.4670, 0.2733,  
0.3987

 11.9914, 0.2094,  
0.5172

 204.3482, 0.2762,  
0.3936

 6.7378, 0.1844,  
0.5655

 248.8878, 0.2787,  
0.3891

 3.2987, 0.1446,  
0.6438

299.4702, 0.2808,

 1.2896, 0.0000,

0.3853

1.0000

356.4798, 0.2827,  
0.3819

■ 0.1331, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.8379, 0.2555,  
0.4311

■ 58.8379, 0.2555,  
0.4311

■ 58.3501, 0.2571,  
0.4442


■ 59.5925, 0.2558,  
0.4177

■ 58.2415, 0.2577,  
0.4477


■ 60.6569, 0.2581,  
0.4043


■ 62.0714, 0.2625,  
0.3911

■ 63.8683, 0.2686,  
0.3784

 66.0764, 0.2762,  
0.3664

 68.7212, 0.2850,  
0.3551

 71.8264, 0.2947,  
0.3447

 75.4140, 0.3050,  
0.3353

 79.5044, 0.3156,  
0.3268

# Harmonies

## Analogous

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



58.8379, 0.3323, 0.4811



58.8379, 0.2555, 0.4311



58.8379, 0.1985, 0.3418

# Triad

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



58.8379, 0.2555, 0.4311



58.8379, 0.2120, 0.2046



58.8379, 0.4762, 0.3600

# Complementary

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



58.8379, 0.2555, 0.4311



18.4224, 0.5244, 0.2763

# 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.



58.8379, 0.4372, 0.3014



58.8379, 0.2555, 0.4311



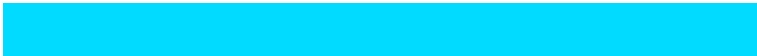
58.8379, 0.2750, 0.2168

# Square

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



58.8379, 0.2555, 0.4311



58.8379, 0.1778, 0.2184



58.8379, 0.3588, 0.2510



58.8379, 0.4626, 0.4199



# Rectangle

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



58.8379, 0.2555, 0.4311



58.8379, 0.1778, 0.2863



58.8379, 0.3588, 0.2510



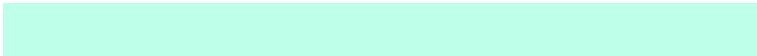
58.8379, 0.4690, 0.3400

# Sweetspot

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



58.8402, 0.2555, 0.4311



88.1335, 0.2861, 0.3538



58.7837, 0.3244, 0.5711



18.5934, 0.2829, 0.3576



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.



58.8402, 0.2555, 0.4311



74.3099, 0.2579, 0.4485



46.7705, 0.2150, 0.2867



16.2475, 0.3027, 0.3372



33.3221, 0.2571, 0.4457



2.4797, 0.2518, 0.4265



# Inverse Universe

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



18.4224, 0.5244, 0.2763



21.9646, 0.5645, 0.2884



19.8795, 0.5963, 0.3476



14.4497, 0.3238, 0.3209



9.8677, 0.5590, 0.2853

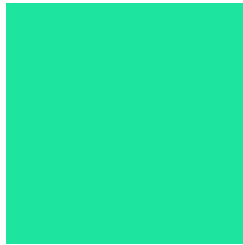


0.7462, 0.5182, 0.2628



# Previews

## White Background



This preview shows how the Yxy color 58.8379, 0.2555, 0.4311 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 58.8379, 0.2555, 0.4311 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 58.8379, 0.2555, 0.4311**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.8379, 0.2555, 0.4311.

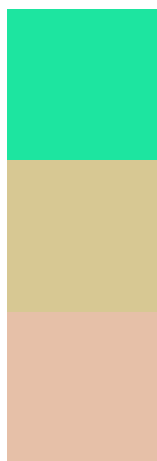


This preview shows how white text looks on a background with the Yxy color 58.8379, 0.2555, 0.4311.

# 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

58.8379, 0.2555, 0.4311

### Protanopia

57.8622, 0.3651, 0.3917

### Deuteranopia

57.3494, 0.3638, 0.3564



## Tritanopia

58.5268, 0.2297, 0.3054

# Trichromacy



## Original Color

58.8379, 0.2555, 0.4311



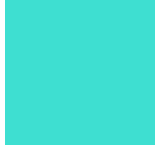
## Protanomaly

55.0586, 0.3054, 0.4102



## Deuteranomaly

53.5474, 0.3043, 0.3831



## Tritanomaly

58.4029, 0.2377, 0.3481

# Monochromacy



## Original Color

58.8379, 0.2555, 0.4311



## Achromatopsia

35.6400, 0.3127, 0.3290



## Achromatomaly

41.2017, 0.2749, 0.3677

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.8379, 0.2555, 0.4311 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(29, 229, 160)` looks like.

```
.text, #text, p{  
    color:rgb(29, 229, 160)  
}
```

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(29, 229, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 229, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 58.8379, 0.2555, 0.4311 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(29, 229, 160) }
```

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

```
.border{ border-color:rgb(29, 229, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 229, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 229, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 229, 160);  
box-shadow:4px 4px 4px 4px rgb(29, 229,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.8379, 0.2555, 0.4311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 229, 160) }
```

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

```
.background{ background-color: rgb(29, 229,  
160) }
```

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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