

# Converting Colors

Yxy(54.6973, 0.2272, 0.4648)

Have a look what the booklet for  
Yxy(54.6973, 0.2272, 0.4648)  
contains.

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# Color

**$\text{Yxy}(58.1139, 0.2595, 0.4541)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E592
RGB	0, 229, 146
RGB Percent	0%, 90%, 57%
CMY	0.9984, 0.1020, 0.4275
CMYK	1.00, 0.00, 0.36, 0.10
HSL	158°, 100%, 45%
HSV	158°, 100%, 90%
XYZ	33.2098, 58.1139, 36.6523
YIQ	151.0670, -109.8410, -74.3610

# Conversions

## Conversions Part 2

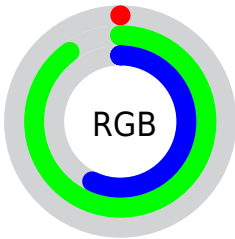
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 140, 229
Decimal	58770
CIELab	80.80, -65.09, 27.77
CIELCh	81, 70.764, 156.891
Yxy	58.1139, 0.2595, 0.4541
Android (android.graphics.Color)	4278248850 (0xFF00E592)
YUV	151.0670, -2.4980, -132.4858
Hunter-Lab	76.2325, -55.6454, 24.8563

# Details

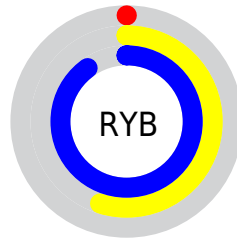
The Yxy color **58.1139, 0.2595, 0.4541** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **17.2977, 0.5555, 0.2835**, and the grayscale version is **31.0764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8783, 0.2640, 0.3977**, and **30.3313, 0.2672, 0.4819** is the 20% darker color. If you saturate the color by 10%, you get **58.1092, 0.2595, 0.4543**, and if you desaturate by 10%, it is **58.5676, 0.2574, 0.4403**.

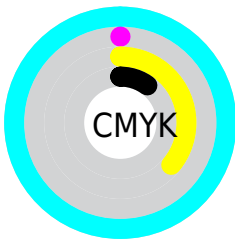
# Distribution



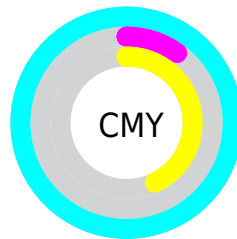
- Red (0%)
- Green (90%)
- Blue (57%)



- Red (0%)
- Yellow (55%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1139, 0.2595, 0.4541 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 58.1139, 0.2595, 0.4541 by changing the saturation by 10% instead.





 58.1139, 0.2595,  
0.4541


 58.1139, 0.2595,  
0.4541


417.6102, 0.2873,  
0.3893


 41.9002, 0.2522,  
0.4708

 102.0887, 0.2699,  
0.4301


 29.0232, 0.2428,  
0.4926

 130.6186, 0.2737,  
0.4212

 19.0984, 0.2299,  
0.5218


 164.0227, 0.2769,  
0.4138

 11.7414, 0.2117,  
0.5629

 202.6855, 0.2796,  
0.4074

 6.5678, 0.1843,  
0.6240

 246.9912, 0.2819,  
0.4019

 3.1933, 0.1376,  
0.7326

297.3243, 0.2840,

 1.2335, 0.0000,

0.3972

1.0000

354.0692, 0.2858,  
0.3930

■ 0.0888, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.1139, 0.2595,  
0.4541

■ 58.1139, 0.2595,  
0.4541

■ 58.1092, 0.2595,  
0.4543

■ 58.5676, 0.2574,  
0.4403

■ 59.2549, 0.2570,  
0.4263

■ 60.2453, 0.2587,  
0.4121

■ 61.5787, 0.2624,  
0.3981

■ 63.2888, 0.2679,  
0.3845

■ 65.4049, 0.2750,  
0.3715

■ 67.9536, 0.2834,  
0.3594

■ 70.9589, 0.2927,  
0.3482

■ 74.4433, 0.3026,  
0.3380

# Harmonies

## Analogous

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



58.1139, 0.3438, 0.4992



58.1139, 0.2595, 0.4541



58.1139, 0.1945, 0.3558

# Triad

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



58.1139, 0.2595, 0.4541



58.1139, 0.1967, 0.1948



58.1139, 0.4896, 0.3517

# Complementary

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



58.1139, 0.2595, 0.4541



17.2977, 0.5555, 0.2835

# 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.



58.1139, 0.4398, 0.2901



58.1139, 0.2595, 0.4541



58.1139, 0.2602, 0.2047

# Square

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



58.1139, 0.2595, 0.4541



58.1139, 0.1646, 0.2129



58.1139, 0.3499, 0.2383



58.1139, 0.4804, 0.4166



# Rectangle

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



58.1139, 0.2595, 0.4541



58.1139, 0.1697, 0.2920



58.1139, 0.3499, 0.2383



58.1139, 0.4794, 0.3306

# Sweetspot

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



58.1162, 0.2595, 0.4541



86.6024, 0.2831, 0.3598



57.9347, 0.3197, 0.5843



18.2282, 0.2794, 0.3649



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.



58.1162, 0.2595, 0.4541



74.1427, 0.2598, 0.4551



46.2861, 0.2127, 0.2857



16.2429, 0.3030, 0.3377



33.2477, 0.2589, 0.4522



2.4746, 0.2533, 0.4320



# Inverse Universe

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



17.2977, 0.5555, 0.2835



22.0433, 0.5575, 0.2845



17.6325, 0.6294, 0.3383



14.4541, 0.3236, 0.3205



9.9038, 0.5520, 0.2814

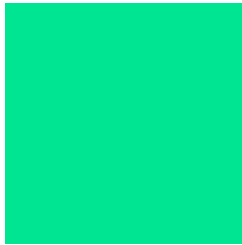


0.7492, 0.5118, 0.2593



# Previews

## White Background



This preview shows how the Yxy color 58.1139, 0.2595, 0.4541 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 58.1139, 0.2595, 0.4541 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 58.1139, 0.2595, 0.4541**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.1139, 0.2595, 0.4541.

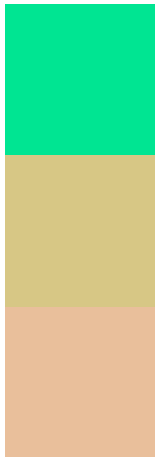


This preview shows how white text looks on a background with the Yxy color 58.1139, 0.2595, 0.4541.

# 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

58.1139, 0.2595, 0.4541

### Protanopia

56.9874, 0.3761, 0.4068

### Deuteranopia

56.9518, 0.3775, 0.3697



## Tritanopia

57.9483, 0.2297, 0.3053

# Trichromacy



## Original Color

58.1139, 0.2595, 0.4541



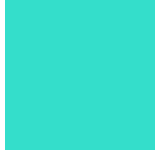
## Protanomaly

53.2465, 0.3072, 0.4311



## Deuteranomaly

52.2255, 0.3063, 0.4029



## Tritanomaly

57.2844, 0.2378, 0.3555

# Monochromacy



## Original Color

58.1139, 0.2595, 0.4541



## Achromatopsia

30.9469, 0.3127, 0.3290



## Achromatomaly

36.8969, 0.2706, 0.3787

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.1139, 0.2595, 0.4541 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 229, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 58.1139, 0.2595, 0.4541 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, 146) }
```

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

```
.border{ border-color:rgb(0, 229, 146) }
```

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, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.1139, 0.2595, 0.4541 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, 146) }
```

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

```
.background{ background-color: rgb(0, 229,  
146) }
```

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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