

Converting Colors

$Yxy(55.3062, 0.2517, 0.4580)$

Have a look what the booklet for
Yxy(55.3062, 0.2517, 0.4580)
contains.

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Color

Yxy(56.3759, 0.2599, 0.4557)

Conversions

Conversions Part 1

Format	Color
Hex	00E28F
RGB	0, 226, 143
RGB Percent	0%, 89%, 56%
CMY	1.0000, 0.1137, 0.4391
CMYK	1.00, 0.00, 0.37, 0.11
HSL	158°, 100%, 44%
HSV	158°, 100%, 89%
XYZ	32.1529, 56.3759, 35.1839
YIQ	148.9640, -108.0530, -73.7250

Conversions

Conversions Part 2

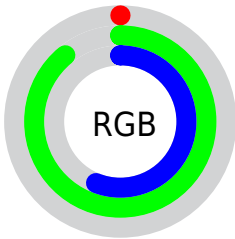
Format	Color
RYB	0, 138, 226
Decimal	57999
CIELab	79.83, -64.66, 27.98
CIELCh	80, 70.453, 156.604
Yxy	56.3759, 0.2599, 0.4557
Android (android.graphics.Color)	4278248079 (0xFF00E28F)
YUV	148.9640, -2.9403, -130.6414
Hunter-Lab	75.0839, -54.9583, 24.7757

Details

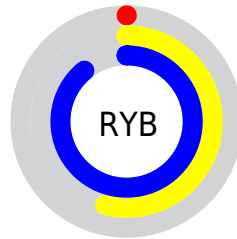
The Yxy color **56.3759, 0.2599, 0.4557** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **16.7939, 0.5543, 0.2827**, and the grayscale version is **30.0883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7394, 0.2654, 0.4016**, and **29.1486, 0.2679, 0.4844** is the 20% darker color. If you saturate the color by 10%, you get **56.3800, 0.2599, 0.4557**, and if you desaturate by 10%, it is **56.8185, 0.2578, 0.4418**.

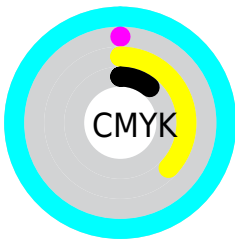
Distribution



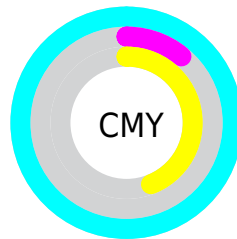
- Red (0%)
- Green (89%)
- Blue (56%)



- Red (0%)
- Yellow (54%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3759, 0.2599, 0.4557 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 56.3759, 0.2599, 0.4557 by changing the saturation by 10% instead.


 56.3759, 0.2599,
0.4557

 56.3759, 0.2599,
0.4557


411.1066, 0.2877,
0.3897


 40.5044, 0.2526,
0.4729

 99.5540, 0.2703,
0.4312

 27.9320, 0.2430,
0.4952


 127.6293, 0.2741,
0.4221


 18.2744, 0.2299,
0.5254


 160.5414, 0.2773,
0.4145

 11.1472, 0.2112,
0.5681

 198.6746, 0.2800,
0.4081

 6.1659, 0.1828,
0.6318

 242.4133, 0.2824,
0.4025

 2.9462, 0.1306,
0.7577

292.1420, 0.2844,

 1.1037, 0.0000,

0.3977

1.0000

348.2449, 0.2862,
0.3934

■ 0.0000, 0.0000,
0.0000

■ 56.3759, 0.2599,
0.4557

■ 56.3759, 0.2599,
0.4557

■ 56.3800, 0.2599,
0.4557

■ 56.8185, 0.2578,
0.4418

■ 57.4834, 0.2574,
0.4276

■ 58.4421, 0.2590,
0.4132

■ 59.7332, 0.2626,
0.3990

■ 61.3893, 0.2681,
0.3853

■ 63.4391, 0.2751,
0.3722

■ 65.9082, 0.2834,
0.3599

■ 68.8200, 0.2926,
0.3486

■ 72.1962, 0.3025,
0.3383

Harmonies

Analogous

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



56.3759, 0.3447, 0.5003



56.3759, 0.2599, 0.4557



56.3759, 0.1944, 0.3569

Triad

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



56.3759, 0.2599, 0.4557



56.3759, 0.1957, 0.1942



56.3759, 0.4904, 0.3511

Complementary

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



56.3759, 0.2599, 0.4557



16.7939, 0.5543, 0.2827

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.



56.3759, 0.4398, 0.2893



56.3759, 0.2599, 0.4557



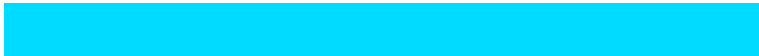
56.3759, 0.2591, 0.2039

Square

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



56.3759, 0.2599, 0.4557



56.3759, 0.1638, 0.2126



56.3759, 0.3492, 0.2375



56.3759, 0.4816, 0.4162

Rectangle

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



56.3759, 0.2599, 0.4557



56.3759, 0.1693, 0.2926



56.3759, 0.3492, 0.2375



56.3759, 0.4799, 0.3299

Sweetspot

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



56.3800, 0.2599, 0.4557



86.5855, 0.2832, 0.3602



56.4048, 0.3214, 0.5830



18.2241, 0.2796, 0.3653



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.



56.3800, 0.2599, 0.4557



74.1065, 0.2602, 0.4566



46.6327, 0.2143, 0.2913



15.4825, 0.3030, 0.3377



32.1865, 0.2593, 0.4535



2.2481, 0.2533, 0.4320

Inverse Universe

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



16.7939, 0.5543, 0.2827



22.0614, 0.5559, 0.2836



16.9249, 0.6316, 0.3367



13.7833, 0.3235, 0.3204



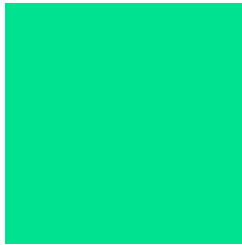
9.6013, 0.5501, 0.2804



0.6824, 0.5078, 0.2571

Previews

White Background



This preview shows how the Yxy color 56.3759, 0.2599, 0.4557 looks on a white background.

Color Contrast Check

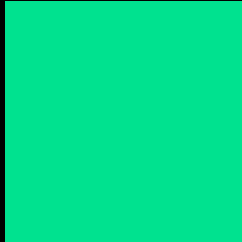
Large Text (above 18pt) WCAG AA × Fail

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 56.3759, 0.2599, 0.4557 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 56.3759, 0.2599, 0.4557

Background



This preview shows how black text looks on a background with the Yxy color 56.3759, 0.2599, 0.4557.

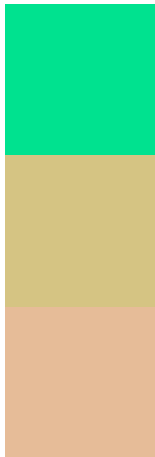


This preview shows how white text looks on a background with the Yxy color 56.3759, 0.2599, 0.4557.

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

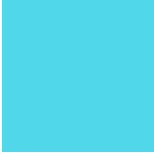
56.3759, 0.2599, 0.4557

Protanopia

55.2647, 0.3771, 0.4064

Deuteranopia

55.0564, 0.3785, 0.3702



Tritanopia

56.1895, 0.2297, 0.3050

Trichromacy



Original Color

56.3759, 0.2599, 0.4557



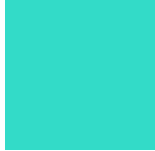
Protanomaly

51.6092, 0.3086, 0.4323



Deuteranomaly

50.5220, 0.3070, 0.4039



Tritanomaly

55.5370, 0.2379, 0.3559

Monochromacy



Original Color

56.3759, 0.2599, 0.4557



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

35.9838, 0.2709, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3759, 0.2599, 0.4557 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, 226, 143)` looks like.

```
.text, #text, p{  
  color:rgb(0, 226, 143)  
}
```

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, 226, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 143) }
```

Border

The CSS property to change the border of an element to Yxy 56.3759, 0.2599, 0.4557 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, 226, 143) }
```

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

```
.border{ border-color:rgb(0, 226, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 226, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3759, 0.2599, 0.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 226, 143) }
```

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

```
.background{ background-color: rgb(0, 226,  
143) }
```

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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