

Converting Colors

Yxy(56.6894, 0.2633, 0.4679)

Have a look what the booklet for
Yxy(56.6894, 0.2633, 0.4679)
contains.

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Color

Yxy(56.7157, 0.2633, 0.4680)

Conversions

Conversions Part 1

Format	Color
Hex	00E388
RGB	0, 227, 136
RGB Percent	0%, 89%, 53%
CMY	1.0000, 0.1098, 0.4666
CMYK	1.00, 0.00, 0.40, 0.11
HSL	156°, 100%, 45%
HSV	156°, 100%, 89%
XYZ	31.9086, 56.7157, 32.5631
YIQ	148.7530, -106.0810, -76.4250

Conversions

Conversions Part 2

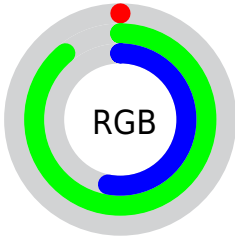
Format	Color
RYB	0, 142, 227
Decimal	58248
CIELab	80.02, -66.37, 31.80
CIELCh	80, 73.599, 154.398
Yxy	56.7157, 0.2633, 0.4680
Android (android.graphics.Color)	4278248328 (0xFF00E388)
YUV	148.7530, -6.2872, -130.4564
Hunter-Lab	75.3098, -56.1621, 27.0806

Details

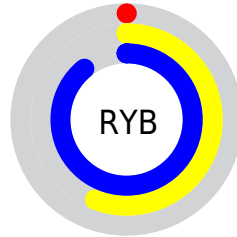
The Yxy color **56.7157, 0.2633, 0.4680** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **17.0877, 0.5407, 0.2752**, and the grayscale version is **30.0090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4259, 0.2685, 0.4110**, and **29.4053, 0.2721, 0.4997** is the 20% darker color. If you saturate the color by 10%, you get **56.7214, 0.2633, 0.4680**, and if you desaturate by 10%, it is **57.1699, 0.2609, 0.4529**.

Distribution



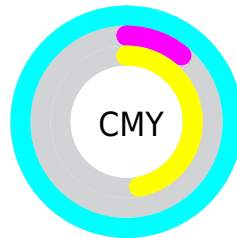
- Red (0%)
- Green (89%)
- Blue (53%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7157, 0.2633, 0.4680 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 56.7157, 0.2633, 0.4680 by changing the saturation by 10% instead.

 56.7157, 0.2633,
0.4680

 56.7157, 0.2633,
0.4680


412.3831, 0.2900,
0.3953

 40.7770, 0.2561,
0.4869

 100.0502, 0.2734,
0.4410


 28.1449, 0.2465,
0.5115

 128.2149, 0.2771,
0.4310


 18.4349, 0.2334,
0.5447


 161.2237, 0.2801,
0.4226

 11.2627, 0.2143,
0.5914

 199.4610, 0.2827,
0.4155

 6.2438, 0.1849,
0.6604

 243.3112, 0.2849,
0.4094

 2.9939, 0.1325,
0.8158

293.1587, 0.2868,

 1.1285, 0.0000,

0.4041

1.0000

349.3879, 0.2885,
0.3995

■ 0.0022, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7157, 0.2633,
0.4680

■ 56.7157, 0.2633,
0.4680

■ 56.7214, 0.2633,
0.4680

■ 57.1699, 0.2609,
0.4529

■ 57.8507, 0.2602,
0.4373

■ 58.8316, 0.2615,
0.4215

■ 60.1520, 0.2649,
0.4059

■ 61.8449, 0.2701,
0.3908

■ 63.9394, 0.2768,
0.3764

■ 66.4614, 0.2847,
0.3629

■ 69.4348, 0.2935,
0.3505

■ 72.8816, 0.3030,
0.3392

Harmonies

Analogous

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



56.7157, 0.3515, 0.5081



56.7157, 0.2633, 0.4680



56.7157, 0.1936, 0.3659

Triad

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



56.7157, 0.2633, 0.4680



56.7157, 0.1881, 0.1900



56.7157, 0.4959, 0.3460

Complementary

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



56.7157, 0.2633, 0.4680



17.0877, 0.5407, 0.2752

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.



56.7157, 0.4391, 0.2831



56.7157, 0.2633, 0.4680



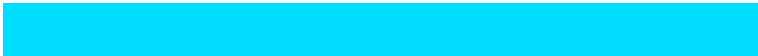
56.7157, 0.2510, 0.1981

Square

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



56.7157, 0.2633, 0.4680



56.7157, 0.1577, 0.2109



56.7157, 0.3430, 0.2310



56.7157, 0.4902, 0.4131

Rectangle

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



56.7157, 0.2633, 0.4680



56.7157, 0.1663, 0.2972



56.7157, 0.3430, 0.2310



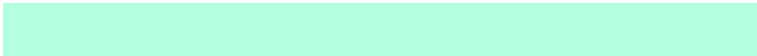
56.7157, 0.4836, 0.3243

Sweetspot

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



56.7214, 0.2633, 0.4680



86.4443, 0.2845, 0.3631



57.3542, 0.3251, 0.5800



18.1905, 0.2811, 0.3687



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

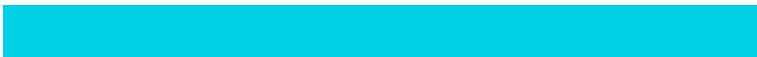
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.7214, 0.2633, 0.4680



73.8129, 0.2636, 0.4689



50.7032, 0.2173, 0.3024



16.2334, 0.3035, 0.3386



33.1006, 0.2627, 0.4657



2.4643, 0.2565, 0.4435

Inverse Universe

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



17.0877, 0.5407, 0.2752



22.2235, 0.5423, 0.2761



16.7954, 0.6349, 0.3341



14.4632, 0.3230, 0.3196



9.9862, 0.5369, 0.2731



0.7559, 0.4983, 0.2519

Previews

White Background



This preview shows how the Yxy color 56.7157, 0.2633, 0.4680 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 56.7157, 0.2633, 0.4680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

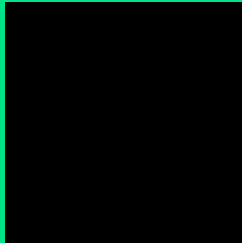
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7157, 0.2633, 0.4680

Background



This preview shows how black text looks on a background with the Yxy color 56.7157, 0.2633, 0.4680.



This preview shows how white text looks on a background with the Yxy color 56.7157, 0.2633, 0.4680.

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

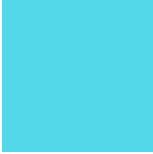
56.7157, 0.2633, 0.4680

Protanopia

55.6839, 0.3827, 0.4151

Deuteranopia

55.1666, 0.3861, 0.3778



Tritanopia

56.7888, 0.2306, 0.3064

Trichromacy



Original Color

56.7157, 0.2633, 0.4680



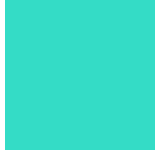
Protanomaly

51.9045, 0.3128, 0.4435



Deuteranomaly

50.4900, 0.3132, 0.4138



Tritanomaly

55.9937, 0.2393, 0.3602

Monochromacy



Original Color

56.7157, 0.2633, 0.4680



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

35.8908, 0.2729, 0.3845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7157, 0.2633, 0.4680 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, 227, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 136)  
}
```

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, 227, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 136) }
```

Border

The CSS property to change the border of an element to Yxy 56.7157, 0.2633, 0.4680 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, 227, 136) }
```

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

```
.border{ border-color:rgb(0, 227, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7157, 0.2633, 0.4680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 136) }
```

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

```
.background{ background-color: rgb(0, 227,  
136) }
```

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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