

Converting Colors

$Y_{xy}(56.7593, 0.2545, 0.4363)$

Have a look what the booklet for
Yxy(56.7593, 0.2545, 0.4363)
contains.

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Color

Yxy(56.7593, 0.2545, 0.4363)

Conversions

Conversions Part 1

Format	Color
Hex	00E29B
RGB	0, 226, 155
RGB Percent	0%, 89%, 61%
CMY	1.0000, 0.1137, 0.3921
CMYK	1.00, 0.00, 0.31, 0.11
HSL	161°, 100%, 44%
HSV	161°, 100%, 89%
XYZ	33.1085, 56.7593, 40.2246
YIQ	150.3320, -111.9050, -69.9930

Conversions

Conversions Part 2

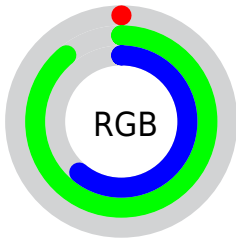
Format	Color
RYB	0, 134, 226
Decimal	58011
CIELab	80.04, -62.18, 22.09
CIELCh	80, 65.983, 160.444
Yxy	56.7593, 0.2545, 0.4363
Android (android.graphics.Color)	4278248091 (0xFF00E29B)
YUV	150.3320, 2.3013, -131.8412
Hunter-Lab	75.3388, -53.3989, 21.0813

Details

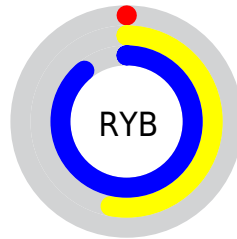
The Yxy color **56.7593, 0.2545, 0.4363** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **16.6252, 0.5744, 0.2938**, and the grayscale version is **30.6760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3613, 0.2596, 0.3845**, and **29.3552, 0.2615, 0.4615** is the 20% darker color. If you saturate the color by 10%, you get **56.7647, 0.2545, 0.4363**, and if you desaturate by 10%, it is **57.1879, 0.2529, 0.4244**.

Distribution



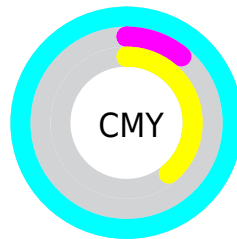
- Red (0%)
- Green (89%)
- Blue (61%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7593, 0.2545, 0.4363 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 56.7593, 0.2545, 0.4363 by changing the saturation by 10% instead.


 56.7593, 0.2545,
0.4363


 56.7593, 0.2545,
0.4363


412.5468, 0.2842,
0.3809


 40.8120, 0.2470,
0.4506

 100.1139, 0.2654,
0.4158


 28.1722, 0.2372,
0.4691

 128.2900, 0.2695,
0.4082

 18.4555, 0.2242,
0.4941


 161.3112, 0.2729,
0.4019

 11.2775, 0.2060,
0.5293

 199.5618, 0.2758,
0.3964

 6.2538, 0.1792,
0.5823

 243.4263, 0.2783,
0.3918

 3.0000, 0.1325,
0.6722

293.2890, 0.2805,

 1.1317, 0.0000,

0.3877

1.0000

349.5344, 0.2825,
0.3841

■ 0.0049, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7593, 0.2545,
0.4363

■ 56.7593, 0.2545,
0.4363

■ 56.7647, 0.2545,
0.4363

■ 57.1879, 0.2529,
0.4244

■ 57.8328, 0.2529,
0.4124

■ 58.7666, 0.2550,
0.4003

■ 60.0278, 0.2591,
0.3883

■ 61.6489, 0.2650,
0.3768

■ 63.6583, 0.2725,
0.3657

■ 66.0816, 0.2813,
0.3553

■ 68.9422, 0.2912,
0.3457

■ 72.2615, 0.3017,
0.3369

Harmonies

Analogous

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



56.7593, 0.3336, 0.4870



56.7593, 0.2545, 0.4363



56.7593, 0.1957, 0.3434

Triad

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



56.7593, 0.2545, 0.4363



56.7593, 0.2083, 0.2012



56.7593, 0.4813, 0.3592

Complementary

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



56.7593, 0.2545, 0.4363



16.6252, 0.5744, 0.2938

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.



56.7593, 0.4404, 0.2993



56.7593, 0.2545, 0.4363



56.7593, 0.2724, 0.2134

Square

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



56.7593, 0.2545, 0.4363



56.7593, 0.1738, 0.2155



56.7593, 0.3587, 0.2480



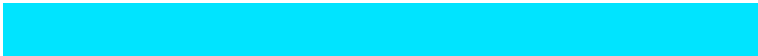
56.7593, 0.4675, 0.4209

Rectangle

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



56.7593, 0.2545, 0.4363



56.7593, 0.1743, 0.2857



56.7593, 0.3587, 0.2480



56.7593, 0.4738, 0.3387

Sweetspot

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



56.7647, 0.2545, 0.4363



86.8120, 0.2812, 0.3555



55.7590, 0.3148, 0.5882



18.2783, 0.2773, 0.3598



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.



56.7647, 0.2545, 0.4363



74.6110, 0.2547, 0.4371



40.0116, 0.2079, 0.2684



15.4952, 0.3023, 0.3365



32.4036, 0.2540, 0.4344



2.2620, 0.2489, 0.4161

Inverse Universe

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



16.6252, 0.5744, 0.2938



21.8408, 0.5761, 0.2947



17.7864, 0.6224, 0.3440



13.7711, 0.3243, 0.3217



9.5027, 0.5703, 0.2915



0.6745, 0.5264, 0.2673

Previews

White Background



This preview shows how the Yxy color 56.7593, 0.2545, 0.4363 looks on a white background.

Color Contrast Check

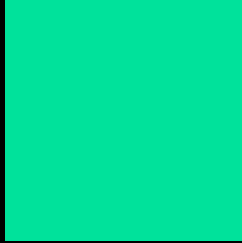
Large Text (above 18pt) WCAG AA × Fail

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 56.7593, 0.2545, 0.4363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

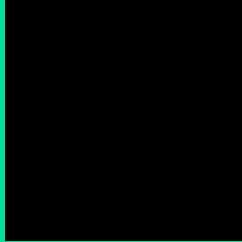
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

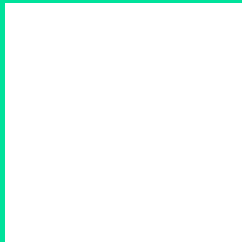
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.7593, 0.2545, 0.4363

Background



This preview shows how black text looks on a background with the Yxy color 56.7593, 0.2545, 0.4363.

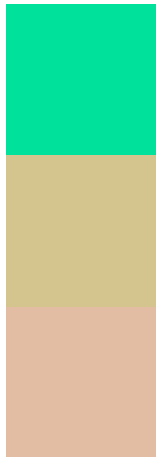


This preview shows how white text looks on a background with the Yxy color 56.7593, 0.2545, 0.4363.

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

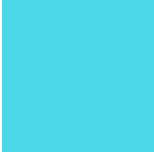
56.7593, 0.2545, 0.4363

Protanopia

55.8825, 0.3674, 0.3949

Deuteranopia

55.3704, 0.3663, 0.3590



Tritanopia

56.6300, 0.2288, 0.3051

Trichromacy



Original Color

56.7593, 0.2545, 0.4363



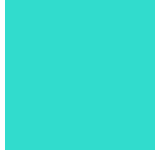
Protanomaly

52.3692, 0.3003, 0.4160



Deuteranomaly

50.7084, 0.2982, 0.3881



Tritanomaly

56.2471, 0.2356, 0.3499

Monochromacy



Original Color

56.7593, 0.2545, 0.4363



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

36.5407, 0.2678, 0.3720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7593, 0.2545, 0.4363 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 155) }
```

Border

The CSS property to change the border of an element to Yxy 56.7593, 0.2545, 0.4363 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, 155) }
```

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

```
.border{ border-color:rgb(0, 226, 155) }
```

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, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7593, 0.2545, 0.4363 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, 155) }
```

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

```
.background{ background-color: rgb(0, 226,  
155) }
```

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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