

Converting Colors

$Y_{xy}(55.8494, 0.2516, 0.4258)$

Have a look what the booklet for
Yxy(55.8494, 0.2516, 0.4258)
contains.

Yxy(55.8494, 0.2516, 0.4258)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.8494, 0.2516, 0.4258)

Conversions

Conversions Part 1

Format	Color
Hex	00E0A0
RGB	0, 224, 160
RGB Percent	0%, 88%, 63%
CMY	1.0000, 0.1216, 0.3724
CMYK	1.00, 0.00, 0.29, 0.12
HSL	163°, 100%, 44%
HSV	163°, 100%, 88%
XYZ	33.0007, 55.8494, 42.3133
YIQ	149.7280, -112.9600, -67.3920

Conversions

Conversions Part 2

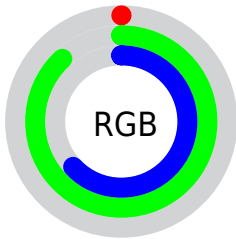
Format	Color
RYB	0, 131, 224
Decimal	57504
CIELab	79.53, -60.33, 18.75
CIELCh	80, 63.182, 162.733
Yxy	55.8494, 0.2516, 0.4258
Android (android.graphics.Color)	4278247584 (0xFF00E0A0)
YUV	149.7280, 5.0641, -131.3115
Hunter-Lab	74.7325, -51.9589, 18.7429

Details

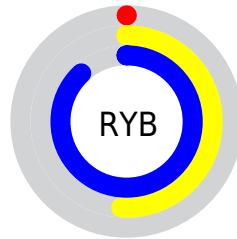
The Yxy color **55.8494, 0.2516, 0.4258** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.2179, 0.5843, 0.2993**, and the grayscale version is **30.3947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5521, 0.2570, 0.3780**, and **28.7201, 0.2578, 0.4480** is the 20% darker color. If you saturate the color by 10%, you get **55.8531, 0.2516, 0.4258**, and if you desaturate by 10%, it is **56.2580, 0.2503, 0.4151**.

Distribution



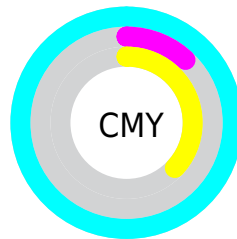
- Red (0%)
- Green (88%)
- Blue (63%)



- Red (0%)
- Yellow (51%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8494, 0.2516, 0.4258 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 55.8494, 0.2516, 0.4258 by changing the saturation by 10% instead.


 55.8494, 0.2516,
0.4258


 55.8494, 0.2516,
0.4258

409.1237, 0.2824,
0.3760


 40.0822, 0.2439,
0.4386


 98.7844, 0.2628,
0.4074

 27.6026, 0.2339,
0.4552


 126.7209, 0.2671,
0.4006

 18.0263, 0.2208,
0.4776


 159.4826, 0.2706,
0.3949

 10.9689, 0.2025,
0.5092

 197.4540, 0.2737,
0.3900

 6.0459, 0.1758,
0.5569

 241.0194, 0.2763,
0.3858

 2.8730, 0.1293,
0.6385

290.5632, 0.2786,

 1.0658, 0.0000,

0.3821

1.0000

346.4699, 0.2806,
0.3789

■ 0.0000, 0.0000,
0.0000

■ 55.8494, 0.2516,
0.4258

■ 55.8494, 0.2516,
0.4258

■ 55.8531, 0.2516,
0.4258

■ 56.2580, 0.2503,
0.4151

■ 56.8777, 0.2506,
0.4042

■ 57.7780, 0.2529,
0.3934

■ 58.9967, 0.2572,
0.3826

■ 60.5653, 0.2634,
0.3722

■ 62.5118, 0.2711,
0.3622

■ 64.8609, 0.2803,
0.3528

■ 67.6355, 0.2904,
0.3442

■ 70.8566, 0.3013,
0.3362

Harmonies

Analogous

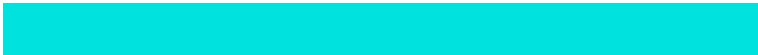
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.8494, 0.3275, 0.4792



55.8494, 0.2516, 0.4258



55.8494, 0.1965, 0.3363

Triad

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



55.8494, 0.2516, 0.4258



55.8494, 0.2154, 0.2051



55.8494, 0.4761, 0.3636

Complementary

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



55.8494, 0.2516, 0.4258



16.2179, 0.5843, 0.2993

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.



55.8494, 0.4404, 0.3049



55.8494, 0.2516, 0.4258



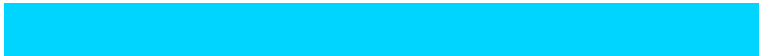
55.8494, 0.2798, 0.2187

Square

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



55.8494, 0.2516, 0.4258



55.8494, 0.1795, 0.2172



55.8494, 0.3638, 0.2540



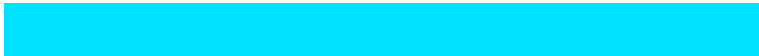
55.8494, 0.4597, 0.4231

Rectangle

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



55.8494, 0.2516, 0.4258



55.8494, 0.1771, 0.2821



55.8494, 0.3638, 0.2540



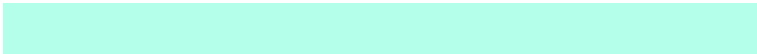
55.8494, 0.4701, 0.3436

Sweetspot

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



55.8531, 0.2516, 0.4258



86.9362, 0.2801, 0.3530



54.5142, 0.3134, 0.5894



18.3080, 0.2760, 0.3569



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.



55.8531, 0.2516, 0.4258



74.9048, 0.2518, 0.4265



37.7040, 0.2063, 0.2626



15.5021, 0.3020, 0.3358



32.5298, 0.2512, 0.4241



2.2700, 0.2466, 0.4076

Inverse Universe

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



16.2179, 0.5843, 0.2993



21.7387, 0.5861, 0.3002



17.7097, 0.6194, 0.3464



13.7646, 0.3247, 0.3223



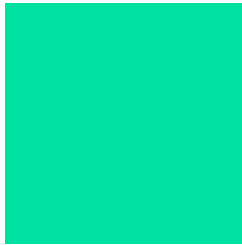
9.4567, 0.5804, 0.2971



0.6706, 0.5362, 0.2728

Previews

White Background



This preview shows how the Yxy color 55.8494, 0.2516, 0.4258 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 55.8494, 0.2516, 0.4258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

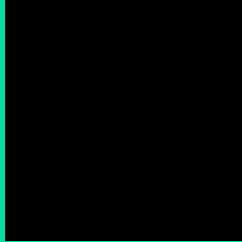
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.8494, 0.2516, 0.4258

Background



This preview shows how black text looks on a background with the Yxy color 55.8494, 0.2516, 0.4258.

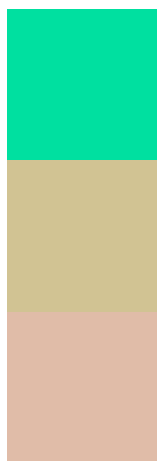


This preview shows how white text looks on a background with the Yxy color 55.8494, 0.2516, 0.4258.

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

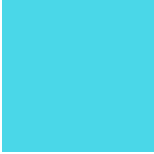
55.8494, 0.2516, 0.4258

Protanopia

54.6921, 0.3616, 0.3872

Deuteranopia

54.6409, 0.3597, 0.3523



Tritanopia

55.8829, 0.2284, 0.3062

Trichromacy



Original Color

55.8494, 0.2516, 0.4258



Protanomaly

51.3962, 0.2958, 0.4064



Deuteranomaly

50.3295, 0.2942, 0.3796



Tritanomaly

55.2034, 0.2341, 0.3457

Monochromacy



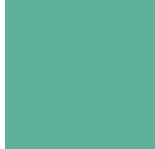
Original Color

55.8494, 0.2516, 0.4258



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

36.2103, 0.2663, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8494, 0.2516, 0.4258 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, 224, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 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(0, 224, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 160) }
```

Border

The CSS property to change the border of an element to Yxy 55.8494, 0.2516, 0.4258 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, 224, 160) }
```

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

```
.border{ border-color:rgb(0, 224, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8494, 0.2516, 0.4258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 160) }
```

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

```
.background{ background-color: rgb(0, 224,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor