

Converting Colors

$Yxy(39.6427, 0.1934, 0.3966)$

Have a look what the booklet for
Yxy(39.6427, 0.1934, 0.3966)
contains.

Yxy(43.4555, 0.2415, 0.3896)	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(43.4555, 0.2415, 0.3896)

Conversions

Conversions Part 1

Format	Color
Hex	00C7A2
RGB	0, 199, 162
RGB Percent	0%, 78%, 64%
CMY	1.0000, 0.2195, 0.3647
CMYK	1.00, 0.00, 0.19, 0.22
HSL	169°, 100%, 39%
HSV	169°, 100%, 78%
XYZ	26.9366, 43.4555, 41.1466
YIQ	135.2810, -106.7270, -53.6950

Conversions

Conversions Part 2

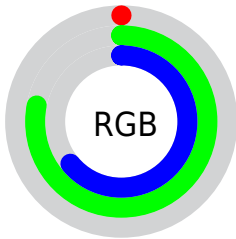
Format	Color
RYB	0, 110, 199
Decimal	51106
CIELab	71.86, -50.29, 6.89
CIElCh	72, 50.764, 172.196
Yxy	43.4555, 0.2415, 0.3896
Android (android.graphics.Color)	4278241186 (0xFF00C7A2)
YUV	135.2810, 13.1725, -118.6414
Hunter-Lab	65.9208, -42.4225, 9.1367

Details

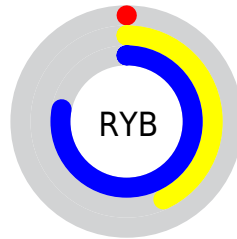
The Yxy color **43.4555, 0.2415, 0.3896** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.2780, 0.6121, 0.3146**, and the grayscale version is **24.3213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2965, 0.2542, 0.3757**, and **21.0723, 0.2459, 0.4052** is the 20% darker color. If you saturate the color by 10%, you get **43.4624, 0.2416, 0.3896**, and if you desaturate by 10%, it is **43.7437, 0.2413, 0.3829**.

Distribution



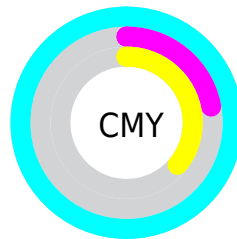
- Red (0%)
- Green (78%)
- Blue (64%)



- Red (0%)
- Yellow (43%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4555, 0.2415, 0.3896 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 43.4555, 0.2415, 0.3896 by changing the saturation by 10% instead.

 43.4555, 0.2415,
0.3896


 43.4555, 0.2415,
0.3896


360.4817, 0.2777,
0.3581


 30.2427, 0.2323,
0.3978


 80.3978, 0.2548,
0.3779

 20.0229, 0.2205,
0.4086

 104.8960, 0.2597,
0.3736


 12.4117, 0.2048,
0.4234


 133.9248, 0.2639,
0.3699

 7.0247, 0.1827,
0.4446

 167.8687, 0.2674,
0.3669

 3.4775, 0.1503,
0.4776

 207.1119, 0.2705,
0.3642

 1.3858, 0.0087,
0.5886

252.0388, 0.2732,

 0.2063, 0.0000,

0.3619

1.0000

303.0340, 0.2756,
0.3599

■ 0.0000, 0.0000,
0.0000

■ 43.4555, 0.2415,
0.3896

■ 43.4555, 0.2415,
0.3896

■ 43.4624, 0.2416,
0.3896

■ 43.7437, 0.2413,
0.3829

■ 44.1808, 0.2426,
0.3762

■ 44.8265, 0.2458,
0.3695

■ 45.7089, 0.2510,
0.3628

■ 46.8513, 0.2580,
0.3564

■ 48.2744, 0.2666,
0.3501

■ 49.9967, 0.2767,
0.3442

■ 52.0353, 0.2880,
0.3387

■ 54.4057, 0.3000,
0.3336

Harmonies

Analogous

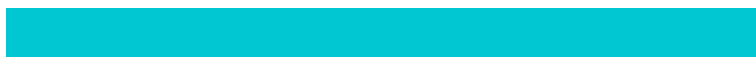
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.4555, 0.3052, 0.4493



43.4555, 0.2415, 0.3896



43.4555, 0.1999, 0.3129

Triad

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



43.4555, 0.2415, 0.3896



43.4555, 0.2422, 0.2197



43.4555, 0.4567, 0.3792

Complementary

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



43.4555, 0.2415, 0.3896



12.2780, 0.6121, 0.3146

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.



43.4555, 0.4390, 0.3251



43.4555, 0.2415, 0.3896



43.4555, 0.3066, 0.2385

Square

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



43.4555, 0.2415, 0.3896



43.4555, 0.2011, 0.2236



43.4555, 0.3810, 0.2758



43.4555, 0.4310, 0.4296

Rectangle

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



43.4555, 0.2415, 0.3896



43.4555, 0.1879, 0.2705



43.4555, 0.3810, 0.2758



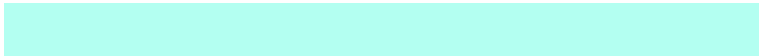
43.4555, 0.4559, 0.3611

Sweetspot

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



43.4624, 0.2416, 0.3896



87.3813, 0.2763, 0.3445



41.3012, 0.3066, 0.5947



18.4152, 0.2718, 0.3470



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.



43.4624, 0.2416, 0.3896



76.0526, 0.2418, 0.3905



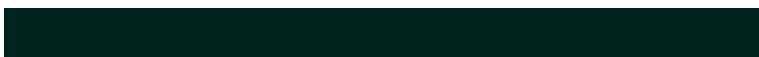
22.6797, 0.1966, 0.2276



12.0324, 0.3008, 0.3333



27.9545, 0.2413, 0.3887



1.3327, 0.2374, 0.3748

Inverse Universe

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



12.2780, 0.6121, 0.3146



21.4688, 0.6150, 0.3161



15.3451, 0.5970, 0.3642



10.6686, 0.3261, 0.3247



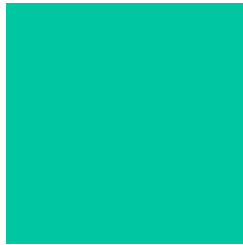
7.9032, 0.6092, 0.3129



0.3842, 0.5529, 0.2819

Previews

White Background



This preview shows how the Yxy color 43.4555, 0.2415, 0.3896 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 43.4555, 0.2415, 0.3896 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

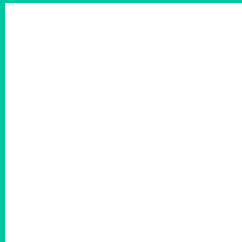
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.4555, 0.2415, 0.3896

Background



This preview shows how black text looks on a background with the Yxy color 43.4555, 0.2415, 0.3896.

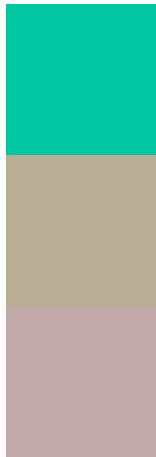


This preview shows how white text looks on a background with the Yxy color 43.4555, 0.2415, 0.3896.

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

43.4555, 0.2415, 0.3896

Protanopia

42.6324, 0.3432, 0.3628

Deuteranopia

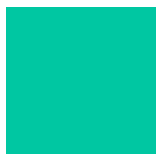
42.7098, 0.3359, 0.3291



Tritanopia

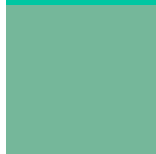
43.6238, 0.2267, 0.3066

Trichromacy



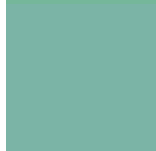
Original Color

43.4555, 0.2415, 0.3896



Protanomaly

39.9820, 0.2819, 0.3744



Deuteranomaly

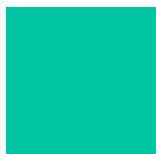
39.6066, 0.2775, 0.3504



Tritanomaly

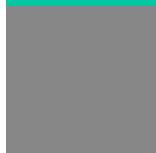
43.2039, 0.2304, 0.3350

Monochromacy



Original Color

43.4555, 0.2415, 0.3896



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.4765, 0.2620, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4555, 0.2415, 0.3896 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, 199, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 162)  
}
```

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, 199, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 162) }
```

Border

The CSS property to change the border of an element to Yxy 43.4555, 0.2415, 0.3896 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, 199, 162) }
```

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

```
.border{ border-color:rgb(0, 199, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4555, 0.2415, 0.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 162) }
```

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

```
.background{ background-color: rgb(0, 199,  
162) }
```

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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