

Converting Colors

$Y_{xy}(54.2355, 0.2397, 0.3830)$

Have a look what the booklet for
Yxy(54.2355, 0.2397, 0.3830)
contains.

Yxy(54.0819, 0.2396, 0.3824)	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(54.0819, 0.2396, 0.3824)

Conversions

Conversions Part 1

Format	Color
Hex	01DBB7
RGB	1, 219, 183
RGB Percent	0%, 86%, 72%
CMY	0.9972, 0.1412, 0.2823
CMYK	1.00, 0.00, 0.16, 0.14
HSL	170°, 99%, 43%
HSV	170°, 100%, 86%
XYZ	33.8860, 54.0819, 53.4596
YIQ	149.7140, -118.3720, -57.4120

Conversions

Conversions Part 2

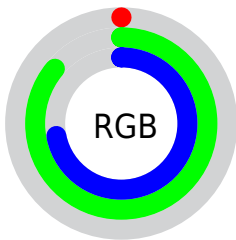
Format	Color
RYB	1, 120, 219
Decimal	121783
CIELab	78.51, -52.83, 5.17
CIELCh	79, 53.081, 174.414
Yxy	54.0819, 0.2396, 0.3824
Android (android.graphics.Color)	4278311863 (0xFF01DBB7)
YUV	149.7140, 16.4100, -130.4222
Hunter-Lab	73.5404, -46.4462, 8.3779

Details

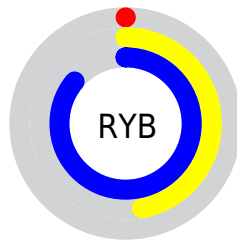
The Yxy color **54.0819, 0.2396, 0.3824** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **15.2061, 0.6174, 0.3177**, and the grayscale version is **30.2983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9401, 0.2472, 0.3478**, and **27.8061, 0.2429, 0.3943** is the 20% darker color. If you saturate the color by 10%, you get **54.0746, 0.2396, 0.3826**, and if you desaturate by 10%, it is **54.4092, 0.2395, 0.3765**.

Distribution



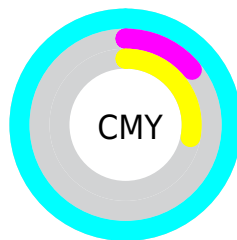
- Red (0%)
- Green (86%)
- Blue (72%)



- Red (0%)
- Yellow (47%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.0819, 0.2396, 0.3824 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 54.0819, 0.2396, 0.3824 by changing the saturation by 10% instead.

 54.0819, 0.2396,
0.3824


 54.0819, 0.2396,
0.3824


402.4222, 0.2752,
0.3559

 38.6671, 0.2310,
0.3889

 96.1945, 0.2523,
0.3728


 26.5009, 0.2202,
0.3973


 123.6611, 0.2571,
0.3692


 17.1987, 0.2062,
0.4083


 155.9138, 0.2613,
0.3661

 10.3763, 0.1875,
0.4234

 193.3370, 0.2648,
0.3635

 5.6492, 0.1611,
0.4454

 236.3150, 0.2679,
0.3612

 2.6329, 0.1202,
0.4810

285.2323, 0.2707,

 0.9433, 0.0000,

0.3592

0.5867

340.4732, 0.2731,
0.3574

■ 0.0000, 0.0000,
0.0000

■ 54.0819, 0.2396,
0.3824

■ 54.0819, 0.2396,
0.3824

■ 54.0746, 0.2396,
0.3826

■ 54.4092, 0.2395,
0.3765

■ 54.9346, 0.2409,
0.3706

■ 55.7203, 0.2443,
0.3647

■ 56.8015, 0.2496,
0.3588

■ 58.2080, 0.2568,
0.3531

■ 59.9657, 0.2657,
0.3476

■ 62.0981, 0.2761,
0.3424

■ 64.6266, 0.2876,
0.3375

■ 67.5708, 0.3001,
0.3330

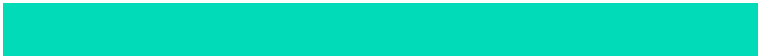
Harmonies

Analogous

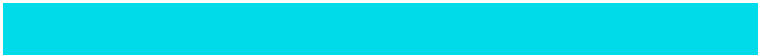
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.0819, 0.3007, 0.4427



54.0819, 0.2396, 0.3824



54.0819, 0.2008, 0.3085

Triad

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



54.0819, 0.2396, 0.3824



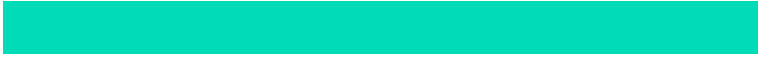
54.0819, 0.2480, 0.2229



54.0819, 0.4524, 0.3823

Complementary

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



54.0819, 0.2396, 0.3824



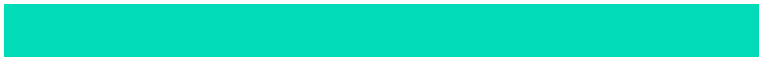
15.2061, 0.6174, 0.3177

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.



54.0819, 0.4382, 0.3294



54.0819, 0.2396, 0.3824



54.0819, 0.3122, 0.2428

Square

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



54.0819, 0.2396, 0.3824



54.0819, 0.2059, 0.2251



54.0819, 0.3843, 0.2804



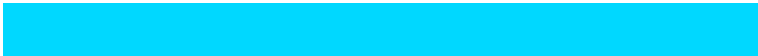
54.0819, 0.4249, 0.4305

Rectangle

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



54.0819, 0.2396, 0.3824



54.0819, 0.1903, 0.2684



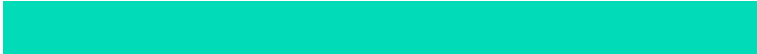
54.0819, 0.3843, 0.2804



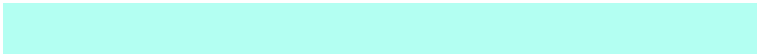
54.0819, 0.4527, 0.3647

Sweetspot

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



54.0840, 0.2396, 0.3824



87.4785, 0.2755, 0.3427



51.0564, 0.3047, 0.5961



18.4387, 0.2709, 0.3449



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.



54.0840, 0.2396, 0.3824



76.3225, 0.2398, 0.3831



25.7480, 0.1932, 0.2152



14.7908, 0.3004, 0.3329



32.0795, 0.2394, 0.3817



2.0883, 0.2367, 0.3721

Inverse Universe

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



15.2061, 0.6174, 0.3177



21.4274, 0.6197, 0.3188



19.8877, 0.5889, 0.3703



13.0864, 0.3266, 0.3252



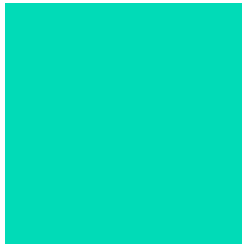
9.0166, 0.6153, 0.3163



0.5951, 0.5734, 0.2932

Previews

White Background



This preview shows how the Yxy color 54.0819, 0.2396, 0.3824 looks on a white background.

Color Contrast Check

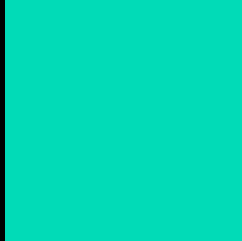
Large Text (above 18pt) WCAG AA × Fail

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 54.0819, 0.2396, 0.3824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

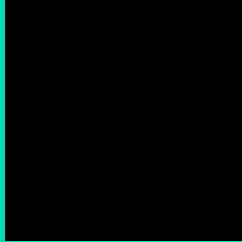
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

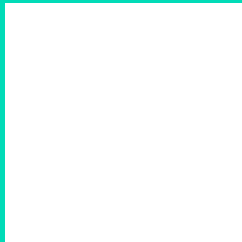
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.0819, 0.2396, 0.3824

Background



This preview shows how black text looks on a background with the Yxy color 54.0819, 0.2396, 0.3824.

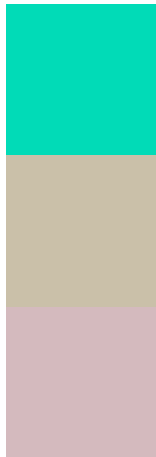


This preview shows how white text looks on a background with the Yxy color 54.0819, 0.2396, 0.3824.

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

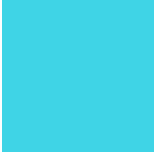
54.0884, 0.2396, 0.3824

Protanopia

53.1204, 0.3389, 0.3574

Deuteranopia

52.8326, 0.3315, 0.3243



Tritanopia

53.8569, 0.2254, 0.3045

Trichromacy



Original Color

54.0884, 0.2396, 0.3824



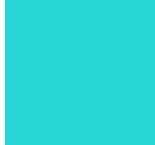
Protanomaly

49.9642, 0.2791, 0.3688



Deuteranomaly

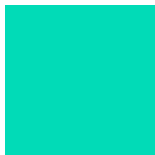
49.1269, 0.2744, 0.3442



Tritanomaly

53.8561, 0.2289, 0.3316

Monochromacy



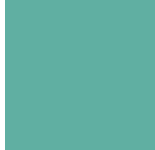
Original Color

54.0884, 0.2396, 0.3824



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.7554, 0.2612, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.0819, 0.2396, 0.3824 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(1, 219, 183)` looks like.

```
.text, #text, p{  
    color:rgb(1, 219, 183)  
}
```

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(1, 219, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 219, 183) }
```

Border

The CSS property to change the border of an element to Yxy 54.0819, 0.2396, 0.3824 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(1, 219, 183) }
```

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

```
.border{ border-color:rgb(1, 219, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 219, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 219, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 219, 183);  
box-shadow:4px 4px 4px 4px rgb(1, 219,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 54.0819, 0.2396, 0.3824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 219, 183) }
```

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

```
.background{ background-color: rgb(1, 219,  
183) }
```

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