

Converting Colors

$Y_{xy}(54.1654, 0.2447, 0.3938)$

Have a look what the booklet for
Yxy(54.1654, 0.2447, 0.3938)
contains.

Yxy(54.0172, 0.2446, 0.3933)	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(54.0172, 0.2446, 0.3933)

Conversions

Conversions Part 1

Format	Color
Hex	1ADBB0
RGB	26, 219, 176
RGB Percent	10%, 86%, 69%
CMY	0.8980, 0.1412, 0.3098
CMYK	0.88, 0.00, 0.20, 0.14
HSL	167°, 79%, 48%
HSV	167°, 88%, 86%
XYZ	33.5942, 54.0172, 49.7321
YIQ	156.3910, -101.2250, -54.2890

Conversions

Conversions Part 2

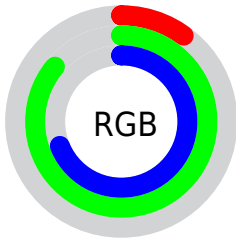
Format	Color
RYB	26, 135, 219
Decimal	1760176
CIELab	78.47, -53.69, 8.86
CIELCh	78, 54.413, 170.631
Yxy	54.0172, 0.2446, 0.3933
Android (android.graphics.Color)	4279950256 (0xFF1ADBB0)
YUV	156.3910, 9.6672, -114.3529
Hunter-Lab	73.4964, -47.0287, 11.3283

Details

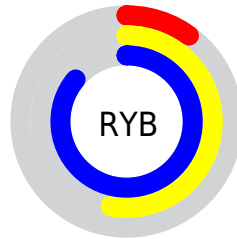
The Yxy color **54.0172, 0.2446, 0.3933** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.2297, 0.5674, 0.3003**, and the grayscale version is **33.4220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7909, 0.2514, 0.3563**, and **27.6496, 0.2464, 0.4072** is the 20% darker color. If you saturate the color by 10%, you get **53.6363, 0.2451, 0.4015**, and if you desaturate by 10%, it is **54.6224, 0.2459, 0.3851**.

Distribution



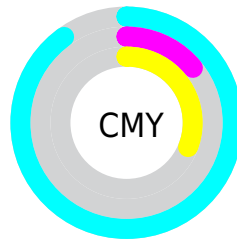
- Red (10%)
- Green (86%)
- Blue (69%)



- Red (10%)
- Yellow (53%)
- Blue (86%)



- Cyan (88%)
- Magenta (0%)
- Yellow (20%)
- Black (14%)




- Cyan (90%)
- Magenta (14%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.0172, 0.2446, 0.3933 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 54.0172, 0.2446, 0.3933 by changing the saturation by 10% instead.


 54.0172, 0.2446,
0.3933


 54.0172, 0.2446,
0.3933


402.1756, 0.2781,
0.3609

 38.6154, 0.2364,
0.4015


 96.0995, 0.2566,
0.3815


 26.4607, 0.2261,
0.4119

 123.5488, 0.2612,
0.3770


 17.1686, 0.2126,
0.4259


 155.7827, 0.2651,
0.3733

 10.3548, 0.1943,
0.4454

 193.1857, 0.2684,
0.3701

 5.6348, 0.1682,
0.4744

 236.1420, 0.2713,
0.3673

 2.6243, 0.1262,
0.5230

285.0362, 0.2739,

 0.9389, 0.0000,

0.3649

0.7003

340.2526, 0.2761,
0.3628

■ 0.0000, 0.0000,
0.0000

■ 54.0172, 0.2446,
0.3933

■ 54.0172, 0.2446,
0.3933

■ 53.6363, 0.2451,
0.4015

■ 54.6224, 0.2459,
0.3851

■ 53.5749, 0.2453,
0.4030

■ 55.4950, 0.2491,
0.3768

■ 56.6712, 0.2542,
0.3687

■ 58.1801, 0.2613,
0.3608

■ 60.0473, 0.2699,
0.3532

■ 62.2960, 0.2799,
0.3461

■ 64.9472, 0.2909,
0.3395

■ 68.0204, 0.3027,
0.3335

■ 71.5341, 0.3151,
0.3280

Harmonies

Analogous

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



54.0172, 0.3089, 0.4508



54.0172, 0.2446, 0.3933



54.0172, 0.2017, 0.3168

Triad

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



54.0172, 0.2446, 0.3933



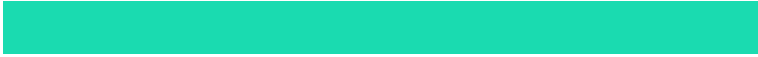
54.0172, 0.2396, 0.2196



54.0172, 0.4565, 0.3763

Complementary

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



54.0172, 0.2446, 0.3933



16.2297, 0.5674, 0.3003

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.



54.0172, 0.4364, 0.3224



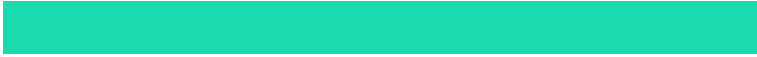
54.0172, 0.2446, 0.3933



54.0172, 0.3029, 0.2373

Square

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



54.0172, 0.2446, 0.3933



54.0172, 0.2000, 0.2248



54.0172, 0.3771, 0.2736



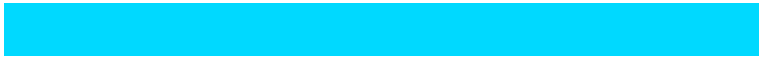
54.0172, 0.4329, 0.4270

Rectangle

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



54.0172, 0.2446, 0.3933



54.0172, 0.1887, 0.2736



54.0172, 0.3771, 0.2736



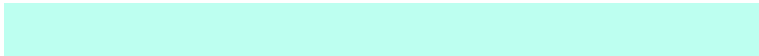
54.0172, 0.4549, 0.3582

Sweetspot

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



54.0193, 0.2446, 0.3933



88.6054, 0.2819, 0.3448



52.0806, 0.3133, 0.5803



18.7063, 0.2782, 0.3472



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.



54.0193, 0.2446, 0.3933



75.6059, 0.2455, 0.4037



33.1698, 0.2051, 0.2507



14.7773, 0.3012, 0.3343



31.7835, 0.2449, 0.4018



2.0716, 0.2412, 0.3884

Inverse Universe

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



16.2297, 0.5674, 0.3003



21.5535, 0.6055, 0.3109



20.5099, 0.5746, 0.3673



13.0988, 0.3257, 0.3238



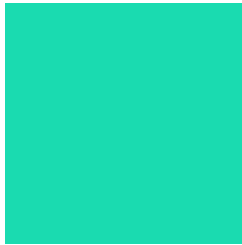
9.0740, 0.6001, 0.3080



0.6009, 0.5540, 0.2826

Previews

White Background



This preview shows how the Yxy color 54.0172, 0.2446, 0.3933 looks on a white background.

Color Contrast Check

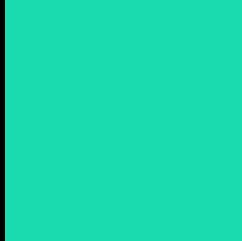
Large Text (above 18pt) WCAG AA × Fail

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 54.0172, 0.2446, 0.3933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

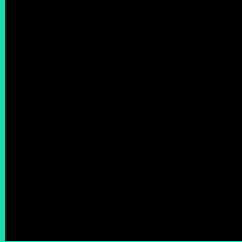
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

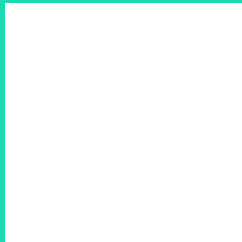
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.0172, 0.2446, 0.3933

Background



This preview shows how black text looks on a background with the Yxy color 54.0172, 0.2446, 0.3933.



This preview shows how white text looks on a background with the Yxy color 54.0172, 0.2446, 0.3933.

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

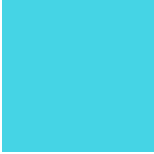
54.0172, 0.2446, 0.3933

Protanopia

53.0044, 0.3453, 0.3661

Deuteranopia

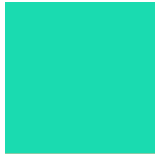
52.8329, 0.3390, 0.3326



Tritanopia

54.0093, 0.2273, 0.3058

Trichromacy



Original Color

54.0172, 0.2446, 0.3933



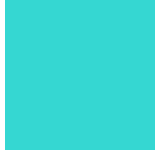
Protanomaly

50.5200, 0.2901, 0.3783



Deuteranomaly

49.7944, 0.2862, 0.3538



Tritanomaly

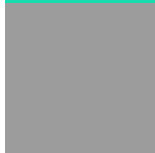
54.0109, 0.2325, 0.3358

Monochromacy



Original Color

54.0172, 0.2446, 0.3933



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

38.1358, 0.2697, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.0172, 0.2446, 0.3933 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(26, 219, 176)` looks like.

```
.text, #text, p{  
    color:rgb(26, 219, 176)  
}
```

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(26, 219, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 219, 176) }
```

Border

The CSS property to change the border of an element to Yxy 54.0172, 0.2446, 0.3933 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(26, 219, 176) }
```

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

```
.border{ border-color:rgb(26, 219, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 219, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 219, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 219, 176);  
box-shadow:4px 4px 4px 4px rgb(26, 219,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 54.0172, 0.2446, 0.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 219, 176) }
```

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

```
.background{ background-color: rgb(26, 219,  
176) }
```

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