

Converting Colors

$Y_{xy}(44.2790, 0.1852, 0.3667)$

Have a look what the booklet for
Yxy(44.2790, 0.1852, 0.3667)
contains.

Yxy(49.1888, 0.2340, 0.3622)	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(49.1888, 0.2340, 0.3622)

Conversions

Conversions Part 1

Format	Color
Hex	01D1BB
RGB	1, 209, 187
RGB Percent	0%, 82%, 73%
CMY	0.9966, 0.1804, 0.2666
CMYK	1.00, 0.00, 0.11, 0.18
HSL	174°, 99%, 41%
HSV	174°, 100%, 82%
XYZ	31.7785, 49.1888, 54.8383
YIQ	144.3000, -116.9060, -50.9380

Conversions

Conversions Part 2

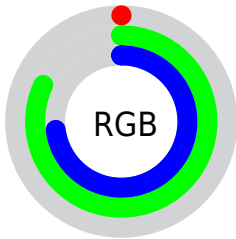
Format	Color
RYB	1, 111, 209
Decimal	119227
CIELab	75.57, -47.66, -1.25
CIElCh	76, 47.678, 181.500
Yxy	49.1888, 0.2340, 0.3622
Android (android.graphics.Color)	4278309307 (0xFF01D1BB)
YUV	144.3000, 21.0511, -125.6741
Hunter-Lab	70.1347, -41.8562, 2.7355

Details

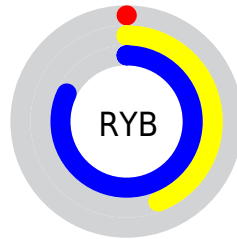
The Yxy color **49.1888, 0.2340, 0.3622** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **13.6339, 0.6280, 0.3236**, and the grayscale version is **27.9461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0552, 0.2449, 0.3430**, and **24.5037, 0.2355, 0.3676** is the 20% darker color. If you saturate the color by 10%, you get **49.1812, 0.2340, 0.3623**, and if you desaturate by 10%, it is **49.4482, 0.2345, 0.3586**.

Distribution



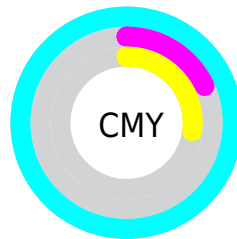
- Red (0%)
- Green (82%)
- Blue (73%)



- Red (0%)
- Yellow (44%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1888, 0.2340, 0.3622 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 49.1888, 0.2340, 0.3622 by changing the saturation by 10% instead.


 49.1888, 0.2340,
0.3622


 49.1888, 0.2340,
0.3622


383.4851, 0.2725,
0.3461

 34.7693, 0.2247,
0.3660


 88.9718, 0.2477,
0.3565

 23.4852, 0.2130,
0.3708


 115.1041, 0.2530,
0.3543


 14.9522, 0.1979,
0.3770


 145.9093, 0.2574,
0.3524

 8.7858, 0.1775,
0.3852

 181.7721, 0.2613,
0.3508

 4.6018, 0.1490,
0.3964

 223.0766, 0.2646,
0.3494

 2.0155, 0.0981,
0.4165

270.2074, 0.2675,

 0.6165, 0.0000,

0.3482

0.4484

323.5487, 0.2701,
0.3471

■ 0.0000, 0.0000,
0.0000

■ 49.1888, 0.2340,
0.3622

■ 49.1888, 0.2340,
0.3622

■ 49.1812, 0.2340,
0.3623

■ 49.4482, 0.2345,
0.3586

■ 49.8833, 0.2365,
0.3550

■ 50.5505, 0.2403,
0.3513

■ 51.4809, 0.2461,
0.3477

■ 52.7009, 0.2538,
0.3441

■ 54.2337, 0.2632,
0.3407

■ 56.1001, 0.2741,
0.3374

■ 58.3191, 0.2863,
0.3343

■ 60.9083, 0.2994,
0.3315

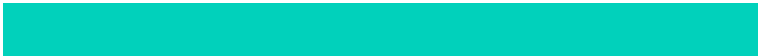
Harmonies

Analogous

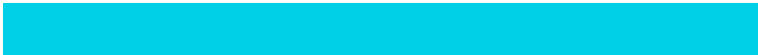
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.1888, 0.2874, 0.4235



49.1888, 0.2340, 0.3622



49.1888, 0.2032, 0.2962

Triad

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



49.1888, 0.2340, 0.3622



49.1888, 0.2652, 0.2322



49.1888, 0.4399, 0.3912

Complementary

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



49.1888, 0.2340, 0.3622



13.6339, 0.6280, 0.3236

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.



49.1888, 0.4359, 0.3418



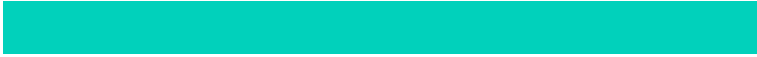
49.1888, 0.2340, 0.3622



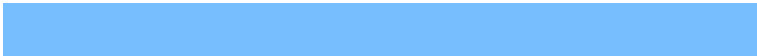
49.1888, 0.3284, 0.2553

Square

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



49.1888, 0.2340, 0.3622



49.1888, 0.2200, 0.2292



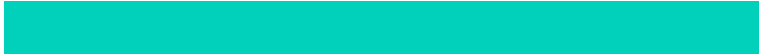
49.1888, 0.3934, 0.2940



49.1888, 0.4072, 0.4325

Rectangle

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



49.1888, 0.2340, 0.3622



49.1888, 0.1973, 0.2625



49.1888, 0.3934, 0.2940



49.1888, 0.4431, 0.3750

Sweetspot

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



49.1907, 0.2340, 0.3622



87.7547, 0.2732, 0.3377



45.8072, 0.3027, 0.5976



18.5056, 0.2684, 0.3390



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.



49.1907, 0.2340, 0.3622



77.1253, 0.2341, 0.3628



20.3637, 0.1883, 0.1977



13.3847, 0.2997, 0.3314



30.3352, 0.2338, 0.3618



1.7025, 0.2320, 0.3552

Inverse Universe

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



13.6339, 0.6280, 0.3236



21.3388, 0.6303, 0.3246



19.3879, 0.5747, 0.3814



11.8282, 0.3274, 0.3266



8.4007, 0.6266, 0.3226



0.4768, 0.5911, 0.3030

Previews

White Background



This preview shows how the Yxy color 49.1888, 0.2340, 0.3622 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 49.1888, 0.2340, 0.3622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

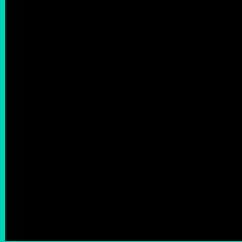
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

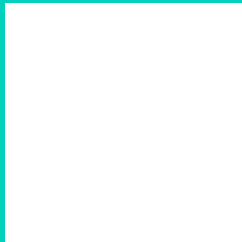
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1888, 0.2340, 0.3622

Background



This preview shows how black text looks on a background with the Yxy color 49.1888, 0.2340, 0.3622.

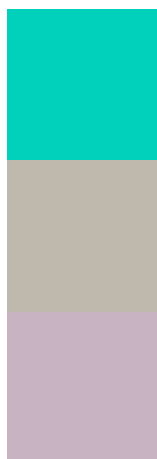


This preview shows how white text looks on a background with the Yxy color 49.1888, 0.2340, 0.3622.

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

49.1952, 0.2340, 0.3622

Protanopia

48.3745, 0.3275, 0.3431

Deuteranopia

48.2774, 0.3179, 0.3106



Tritanopia

49.1905, 0.2241, 0.3049

Trichromacy



Original Color

49.1952, 0.2340, 0.3622



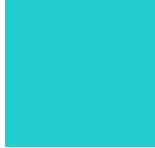
Protanomaly

45.4919, 0.2709, 0.3508



Deuteranomaly

45.1005, 0.2655, 0.3274



Tritanomaly

49.1034, 0.2264, 0.3244

Monochromacy



Original Color

49.1952, 0.2340, 0.3622



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.8186, 0.2583, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1888, 0.2340, 0.3622 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, 209, 187)` looks like.

```
.text, #text, p{  
    color:rgb(1, 209, 187)  
}
```

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, 209, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 209, 187) }
```

Border

The CSS property to change the border of an element to Yxy 49.1888, 0.2340, 0.3622 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, 209, 187) }
```

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

```
.border{ border-color:rgb(1, 209, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 209, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 209, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 209, 187);  
box-shadow:4px 4px 4px 4px rgb(1, 209,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1888, 0.2340, 0.3622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 209, 187) }
```

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

```
.background{ background-color: rgb(1, 209,  
187) }
```

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