

Converting Colors

$Y_{xy}(52.0335, 0.2335, 0.3606)$

Have a look what the booklet for
Yxy(52.0335, 0.2335, 0.3606)
contains.

Yxy(51.9434, 0.2333, 0.3599)	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(51.9434, 0.2333, 0.3599)

Conversions

Conversions Part 1

Format	Color
Hex	00D6C1
RGB	0, 214, 193
RGB Percent	0%, 84%, 76%
CMY	1.0000, 0.1608, 0.2431
CMYK	1.00, 0.00, 0.10, 0.16
HSL	174°, 100%, 42%
HSV	174°, 100%, 84%
XYZ	33.6716, 51.9434, 58.7124
YIQ	147.6200, -120.8030, -51.8990

Conversions

Conversions Part 2

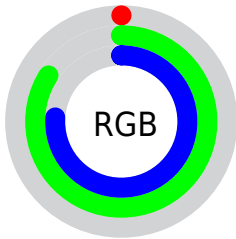
Format	Color
RYB	0, 113, 214
Decimal	54977
CIELab	77.25, -48.14, -2.02
CIElCh	77, 48.179, 182.399
Yxy	51.9434, 0.2333, 0.3599
Android (android.graphics.Color)	4278245057 (0xFF00D6C1)
YUV	147.6200, 22.3723, -129.4627
Hunter-Lab	72.0718, -42.7313, 2.1504

Details

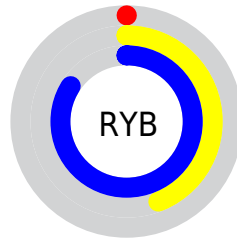
The Yxy color **51.9434, 0.2333, 0.3599** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.3509, 0.6301, 0.3245**, and the grayscale version is **29.3926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4854, 0.2428, 0.3358**, and **26.3472, 0.2346, 0.3644** is the 20% darker color. If you saturate the color by 10%, you get **51.9465, 0.2333, 0.3599**, and if you desaturate by 10%, it is **52.2047, 0.2338, 0.3566**.

Distribution



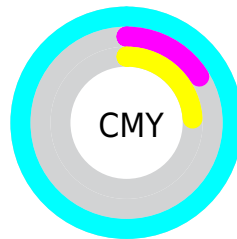
- Red (0%)
- Green (84%)
- Blue (76%)



- Red (0%)
- Yellow (44%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (16%)




- Cyan (100%)
- Magenta (16%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9434, 0.2333, 0.3599 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 51.9434, 0.2333, 0.3599 by changing the saturation by 10% instead.


 51.9434, 0.2333,
0.3599

 51.9434, 0.2333,
0.3599


394.2181, 0.2717,
0.3452

 36.9600, 0.2242,
0.3633


 93.0478, 0.2469,
0.3547


 25.1765, 0.2127,
0.3676


 119.9375, 0.2521,
0.3527


 16.2086, 0.1979,
0.3730


 151.5647, 0.2566,
0.3510

 9.6719, 0.1783,
0.3800

 188.3139, 0.2604,
0.3496

 5.1820, 0.1511,
0.3895

 230.5695, 0.2638,
0.3483

 2.3544, 0.1096,
0.4033

278.7157, 0.2667,

 0.8023, 0.0000,

0.3471

0.4414


333.1371, 0.2694,
0.3461


 0.0000, 0.0000,
0.0000


 51.9434, 0.2333,
0.3599


 51.9434, 0.2333,
0.3599


 51.9465, 0.2333,
0.3599

 52.2047, 0.2338,
0.3566

 52.6458, 0.2358,
0.3532

 53.3303, 0.2396,
0.3498

 54.2915, 0.2453,
0.3465

 55.5576, 0.2530,
0.3432

■ 57.1533, 0.2624,
0.3400

■ 59.1006, 0.2733,
0.3369

■ 61.4199, 0.2855,
0.3341

■ 64.1297, 0.2988,
0.3314

Harmonies

Analogous

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



51.9434, 0.2859, 0.4212



51.9434, 0.2333, 0.3599



51.9434, 0.2034, 0.2948

Triad

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



51.9434, 0.2333, 0.3599



51.9434, 0.2672, 0.2332



51.9434, 0.4385, 0.3923

Complementary

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



51.9434, 0.2333, 0.3599



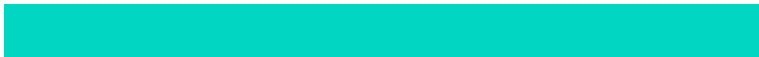
14.3509, 0.6301, 0.3245

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.



51.9434, 0.4357, 0.3433



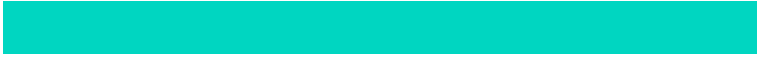
51.9434, 0.2333, 0.3599



51.9434, 0.3303, 0.2567

Square

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



51.9434, 0.2333, 0.3599



51.9434, 0.2216, 0.2297



51.9434, 0.3945, 0.2956



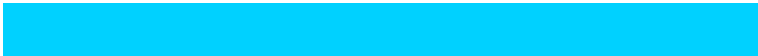
51.9434, 0.4052, 0.4328

Rectangle

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



51.9434, 0.2333, 0.3599



51.9434, 0.1981, 0.2618



51.9434, 0.3945, 0.2956



51.9434, 0.4420, 0.3763

Sweetspot

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



51.9465, 0.2333, 0.3599



87.7904, 0.2730, 0.3370



48.2593, 0.3021, 0.5983



18.5142, 0.2681, 0.3383



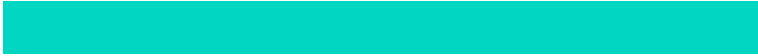
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.9465, 0.2333, 0.3599



77.2327, 0.2334, 0.3602



20.3989, 0.1864, 0.1910



14.0859, 0.2996, 0.3313



31.4054, 0.2332, 0.3594



1.9005, 0.2316, 0.3536

Inverse Universe

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



14.3509, 0.6301, 0.3245



21.3302, 0.6313, 0.3252



20.8890, 0.5713, 0.3846



12.4404, 0.3276, 0.3267



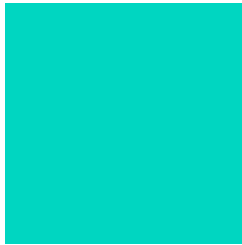
8.6808, 0.6280, 0.3233



0.5305, 0.5962, 0.3058

Previews

White Background



This preview shows how the Yxy color 51.9434, 0.2333, 0.3599 looks on a white background.

Color Contrast Check

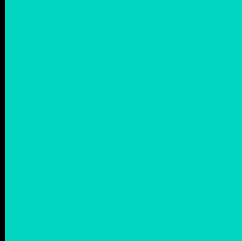
Large Text (above 18pt) WCAG AA × Fail

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 51.9434, 0.2333, 0.3599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

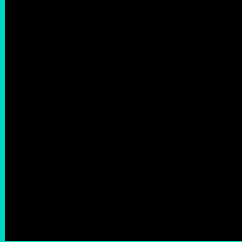
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

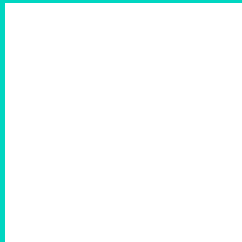
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9434, 0.2333, 0.3599

Background



This preview shows how black text looks on a background with the Yxy color 51.9434, 0.2333, 0.3599.

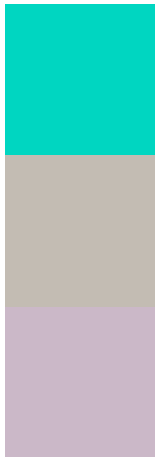


This preview shows how white text looks on a background with the Yxy color 51.9434, 0.2333, 0.3599.

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

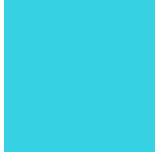
51.9434, 0.2333, 0.3599

Protanopia

50.8232, 0.3256, 0.3403

Deuteranopia

51.1476, 0.3161, 0.3098



Tritanopia

51.8762, 0.2240, 0.3054

Trichromacy



Original Color

51.9434, 0.2333, 0.3599



Protanomaly

47.6783, 0.2691, 0.3475



Deuteranomaly

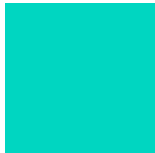
47.7286, 0.2640, 0.3261



Tritanomaly

51.7837, 0.2262, 0.3245

Monochromacy



Original Color

51.9434, 0.2333, 0.3599



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.5651, 0.2580, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9434, 0.2333, 0.3599 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, 214, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 193)  
}
```

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, 214, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 193) }
```

Border

The CSS property to change the border of an element to Yxy 51.9434, 0.2333, 0.3599 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, 214, 193) }
```

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

```
.border{ border-color:rgb(0, 214, 193) }
```

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

Here you see how a box with a 4 pixel rgb(0, 214, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9434, 0.2333, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 193) }
```

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

```
.background{ background-color: rgb(0, 214,  
193) }
```

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