

Converting Colors

$Y_{xy}(51.4571, 0.2279, 0.3592)$

Have a look what the booklet for
Yxy(51.4571, 0.2279, 0.3592)
contains.

Yxy(51.9882, 0.2329, 0.3584)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.9882, 0.2329, 0.3584)

Conversions

Conversions Part 1

Format	Color
Hex	00D6C2
RGB	0, 214, 194
RGB Percent	0%, 84%, 76%
CMY	0.9995, 0.1608, 0.2393
CMYK	1.00, 0.00, 0.09, 0.16
HSL	174°, 100%, 42%
HSV	174°, 100%, 84%
XYZ	33.7836, 51.9882, 59.2845
YIQ	147.7340, -121.1240, -51.5880

Conversions

Conversions Part 2

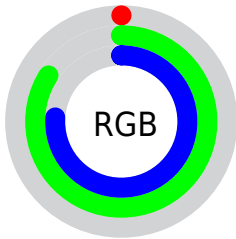
Format	Color
RYB	0, 112, 214
Decimal	54978
CIELab	77.27, -47.86, -2.50
CIELCh	77, 47.926, 182.987
Yxy	51.9882, 0.2329, 0.3584
Android (android.graphics.Color)	4278245058 (0xFF00D6C2)
YUV	147.7340, 22.8091, -129.5627
Hunter-Lab	72.1028, -42.5442, 1.7225

Details

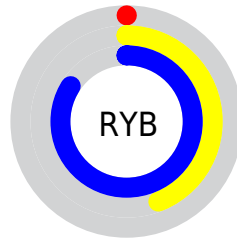
The Yxy color **51.9882, 0.2329, 0.3584** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.3503, 0.6306, 0.3248**, and the grayscale version is **29.4549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5479, 0.2424, 0.3346**, and **26.3768, 0.2340, 0.3623** is the 20% darker color. If you saturate the color by 10%, you get **51.9889, 0.2329, 0.3584**, and if you desaturate by 10%, it is **52.2452, 0.2334, 0.3552**.

Distribution



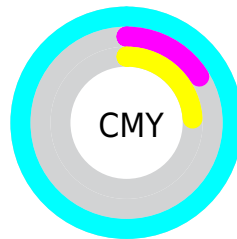
- Red (0%)
- Green (84%)
- Blue (76%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (16%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9882, 0.2329, 0.3584 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 51.9882, 0.2329, 0.3584 by changing the saturation by 10% instead.


 51.9882, 0.2329,
0.3584


 51.9882, 0.2329,
0.3584


394.3911, 0.2715,
0.3445


 36.9957, 0.2237,
0.3616


 93.1138, 0.2466,
0.3535

 25.2041, 0.2122,
0.3656


 120.0157, 0.2518,
0.3517


 16.2292, 0.1975,
0.3706


 151.6562, 0.2563,
0.3500

 9.6865, 0.1778,
0.3771

 188.4197, 0.2601,
0.3486

 5.1916, 0.1506,
0.3857

 230.6905, 0.2635,
0.3474

 2.3601, 0.1095,
0.3980

278.8530, 0.2665,

 0.8053, 0.0000,

0.3463

0.4331

333.2918, 0.2691,
0.3454

■ 0.0000, 0.0000,
0.0000

■ 51.9882, 0.2329,
0.3584

■ 51.9882, 0.2329,
0.3584

■ 51.9889, 0.2329,
0.3584

■ 52.2452, 0.2334,
0.3552

■ 52.6837, 0.2354,
0.3520

■ 53.3657, 0.2393,
0.3488

■ 54.3244, 0.2451,
0.3456

■ 55.5881, 0.2528,
0.3425

■ 57.1813, 0.2622,
0.3394

■ 59.1261, 0.2732,
0.3365

■ 61.4429, 0.2855,
0.3338

■ 64.1503, 0.2988,
0.3313

Harmonies

Analogous

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



51.9882, 0.2849, 0.4197



51.9882, 0.2329, 0.3584



51.9882, 0.2037, 0.2939

Triad

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



51.9882, 0.2329, 0.3584



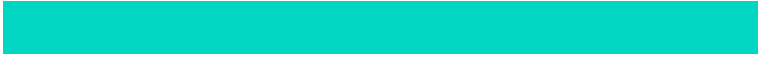
51.9882, 0.2685, 0.2340



51.9882, 0.4375, 0.3930

Complementary

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



51.9882, 0.2329, 0.3584



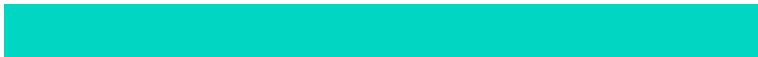
14.3503, 0.6306, 0.3248

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.



51.9882, 0.4354, 0.3442



51.9882, 0.2329, 0.3584



51.9882, 0.3316, 0.2577

Square

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



51.9882, 0.2329, 0.3584



51.9882, 0.2227, 0.2300



51.9882, 0.3951, 0.2967



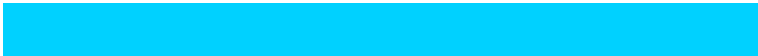
51.9882, 0.4038, 0.4329

Rectangle

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



51.9882, 0.2329, 0.3584



51.9882, 0.1987, 0.2614



51.9882, 0.3951, 0.2967



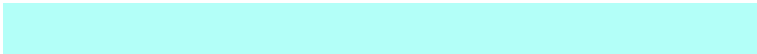
51.9882, 0.4412, 0.3771

Sweetspot

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



51.9902, 0.2329, 0.3584



87.8117, 0.2728, 0.3366



48.2602, 0.3021, 0.5983



18.5194, 0.2679, 0.3379



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.



51.9902, 0.2329, 0.3584



77.2972, 0.2330, 0.3587



20.4122, 0.1864, 0.1911



14.0869, 0.2995, 0.3312



31.4311, 0.2328, 0.3579



1.9017, 0.2312, 0.3524

Inverse Universe

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



14.3503, 0.6306, 0.3248



21.3254, 0.6319, 0.3255



20.9006, 0.5712, 0.3846



12.4395, 0.3277, 0.3269



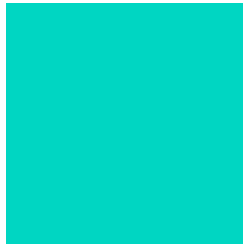
8.6785, 0.6287, 0.3237



0.5301, 0.5980, 0.3068

Previews

White Background



This preview shows how the Yxy color 51.9882, 0.2329, 0.3584 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 51.9882, 0.2329, 0.3584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

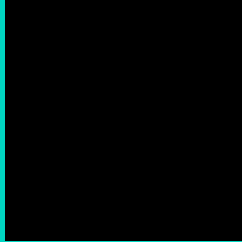
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

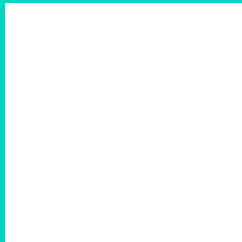
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9882, 0.2329, 0.3584

Background



This preview shows how black text looks on a background with the Yxy color 51.9882, 0.2329, 0.3584.

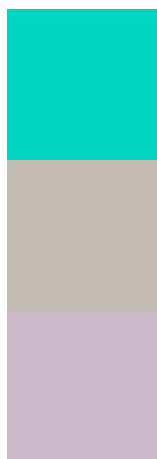


This preview shows how white text looks on a background with the Yxy color 51.9882, 0.2329, 0.3584.

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

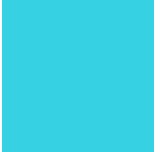
51.9882, 0.2329, 0.3584

Protanopia

51.2926, 0.3247, 0.3403

Deuteranopia

51.1945, 0.3153, 0.3086



Tritanopia

51.8762, 0.2240, 0.3054

Trichromacy



Original Color

51.9882, 0.2329, 0.3584



Protanomaly

48.1760, 0.2687, 0.3474



Deuteranomaly

47.7746, 0.2634, 0.3247



Tritanomaly

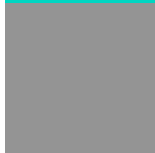
51.7837, 0.2262, 0.3245

Monochromacy



Original Color

51.9882, 0.2329, 0.3584



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.6013, 0.2573, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9882, 0.2329, 0.3584 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 194) }
```

Border

The CSS property to change the border of an element to Yxy 51.9882, 0.2329, 0.3584 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, 194) }
```

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

```
.border{ border-color:rgb(0, 214, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9882, 0.2329, 0.3584 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, 194) }
```

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

```
.background{ background-color: rgb(0, 214,  
194) }
```

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