

Converting Colors

$Yxy(51.7623, 0.2362, 0.3703)$

Have a look what the booklet for
Yxy(51.7623, 0.2362, 0.3703)
contains.

Yxy(51.6810, 0.2359, 0.3693)	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(51.6810, 0.2359, 0.3693)

Conversions

Conversions Part 1

Format	Color
Hex	00D6BB
RGB	0, 214, 187
RGB Percent	0%, 84%, 73%
CMY	1.0000, 0.1608, 0.2667
CMYK	1.00, 0.00, 0.13, 0.16
HSL	172°, 100%, 42%
HSV	172°, 100%, 84%
XYZ	33.0126, 51.6810, 55.2495
YIQ	146.9360, -118.8770, -53.7650

Conversions

Conversions Part 2

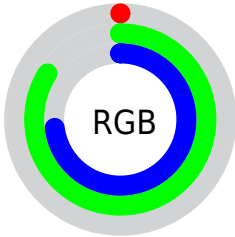
Format	Color
RYB	0, 114, 214
Decimal	54971
CIELab	77.09, -49.78, 0.98
CIELCh	77, 49.792, 178.875
Yxy	51.6810, 0.2359, 0.3693
Android (android.graphics.Color)	4278245051 (0xFF00D6BB)
YUV	146.9360, 19.7516, -128.8629
Hunter-Lab	71.8895, -43.8371, 4.7562

Details

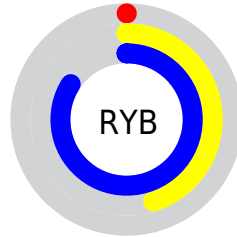
The Yxy color **51.6810, 0.2359, 0.3693** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **14.3765, 0.6256, 0.3220**, and the grayscale version is **29.1054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1169, 0.2452, 0.3430**, and **26.1750, 0.2380, 0.3769** is the 20% darker color. If you saturate the color by 10%, you get **51.6853, 0.2359, 0.3693**, and if you desaturate by 10%, it is **51.9659, 0.2362, 0.3649**.

Distribution



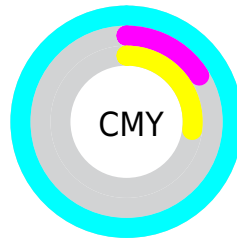
- Red (0%)
- Green (84%)
- Blue (73%)



- Red (0%)
- Yellow (45%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6810, 0.2359, 0.3693 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 51.6810, 0.2359, 0.3693 by changing the saturation by 10% instead.


 51.6810, 0.2359,
0.3693


 51.6810, 0.2359,
0.3693


393.2039, 0.2733,
0.3496

 36.7509, 0.2269,
0.3741


 92.6606, 0.2492,
0.3623

 25.0147, 0.2156,
0.3801


 119.4789, 0.2543,
0.3596


 16.0880, 0.2010,
0.3879

 151.0287, 0.2586,
0.3573

 9.5864, 0.1814,
0.3985

 187.6943, 0.2624,
0.3553

 5.1256, 0.1541,
0.4134

 229.8603, 0.2656,
0.3536

 2.3212, 0.1099,
0.4376

277.9109, 0.2685,

 0.7849, 0.0000,

0.3521

0.4996

332.2307, 0.2710,
0.3508

■ 0.0000, 0.0000,
0.0000

■ 51.6810, 0.2359,
0.3693

■ 51.6810, 0.2359,
0.3693

■ 51.6853, 0.2359,
0.3693

■ 51.9659, 0.2362,
0.3649

■ 52.4303, 0.2379,
0.3605

■ 53.1390, 0.2415,
0.3561

■ 54.1252, 0.2471,
0.3517

■ 55.4172, 0.2545,
0.3474

■ 57.0396, 0.2637,
0.3432

■ 59.0146, 0.2743,
0.3393

■ 61.3625, 0.2863,
0.3356

■ 64.1019, 0.2992,
0.3321

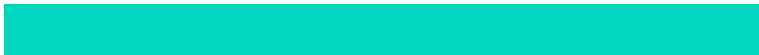
Harmonies

Analogous

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



51.6810, 0.2921, 0.4305



51.6810, 0.2359, 0.3693



51.6810, 0.2022, 0.3005

Triad

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



51.6810, 0.2359, 0.3693



51.6810, 0.2589, 0.2288



51.6810, 0.4445, 0.3881

Complementary

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



51.6810, 0.2359, 0.3693



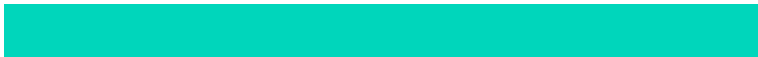
14.3765, 0.6256, 0.3220

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.



51.6810, 0.4369, 0.3373



51.6810, 0.2359, 0.3693



51.6810, 0.3227, 0.2508

Square

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



51.6810, 0.2359, 0.3693



51.6810, 0.2148, 0.2277



51.6810, 0.3903, 0.2891



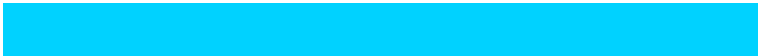
51.6810, 0.4136, 0.4320

Rectangle

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



51.6810, 0.2359, 0.3693



51.6810, 0.1947, 0.2645



51.6810, 0.3903, 0.2891



51.6810, 0.4467, 0.3714

Sweetspot

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



51.6853, 0.2359, 0.3693



87.6580, 0.2740, 0.3394



48.3518, 0.3032, 0.5974



18.4821, 0.2693, 0.3410



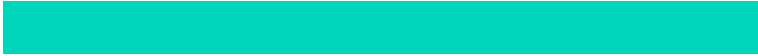
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.6853, 0.2359, 0.3693



76.8381, 0.2360, 0.3697



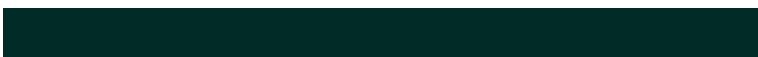
22.3341, 0.1897, 0.2030



14.0796, 0.2999, 0.3319



31.2484, 0.2357, 0.3686



1.8925, 0.2336, 0.3611

Inverse Universe

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



14.3765, 0.6256, 0.3220



21.3653, 0.6271, 0.3228



19.8132, 0.5806, 0.3772



12.4461, 0.3271, 0.3261



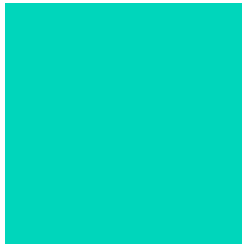
8.6973, 0.6231, 0.3206



0.5332, 0.5850, 0.2997

Previews

White Background



This preview shows how the Yxy color 51.6810, 0.2359, 0.3693 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 51.6810, 0.2359, 0.3693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

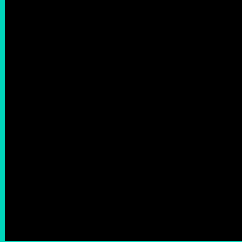
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

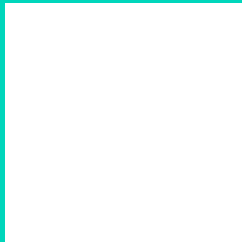
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.6810, 0.2359, 0.3693

Background



This preview shows how black text looks on a background with the Yxy color 51.6810, 0.2359, 0.3693.

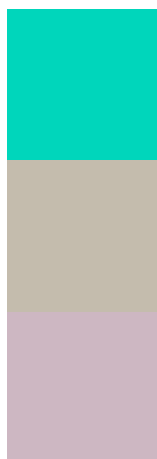


This preview shows how white text looks on a background with the Yxy color 51.6810, 0.2359, 0.3693.

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

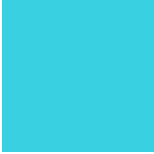
51.6810, 0.2359, 0.3693

Protanopia

50.7193, 0.3312, 0.3479

Deuteranopia

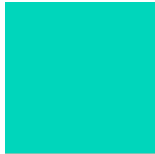
50.7412, 0.3227, 0.3158



Tritanopia

51.9070, 0.2250, 0.3067

Trichromacy



Original Color

51.6810, 0.2359, 0.3693



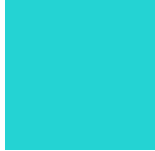
Protanomaly

47.5068, 0.2734, 0.3563



Deuteranomaly

47.0910, 0.2681, 0.3331



Tritanomaly

51.6667, 0.2277, 0.3287

Monochromacy



Original Color

51.6810, 0.2359, 0.3693



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

34.1141, 0.2590, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6810, 0.2359, 0.3693 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 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(0, 214, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 187) }
```

Border

The CSS property to change the border of an element to Yxy 51.6810, 0.2359, 0.3693 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, 187) }
```

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

```
.border{ border-color:rgb(0, 214, 187) }
```

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, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6810, 0.2359, 0.3693 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, 187) }
```

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

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