

Converting Colors

$Yxy(49.8653, 0.1947, 0.3495)$

Have a look what the booklet for
Yxy(49.8653, 0.1947, 0.3495)
contains.

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Color

Yxy(53.9853, 0.2299, 0.3475)

Conversions

Conversions Part 1

Format	Color
Hex	01D9CC
RGB	1, 217, 204
RGB Percent	0%, 85%, 80%
CMY	0.9974, 0.1490, 0.2001
CMYK	1.00, 0.00, 0.06, 0.15
HSL	176°, 99%, 43%
HSV	176°, 100%, 85%
XYZ	35.7157, 53.9853, 65.6523
YIQ	150.9340, -124.5630, -49.8350

Conversions

Conversions Part 2

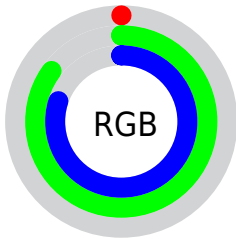
Format	Color
RYB	1, 112, 217
Decimal	121292
CIELab	78.45, -46.32, -6.11
CIELCh	78, 46.719, 187.519
Yxy	53.9853, 0.2299, 0.3475
Android (android.graphics.Color)	4278311372 (0xFF01D9CC)
YUV	150.9340, 26.1615, -131.4921
Hunter-Lab	73.4747, -41.8126, -1.5455

Details

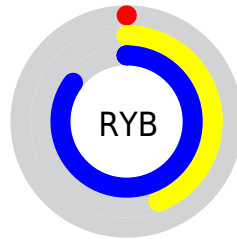
The Yxy color **53.9853, 0.2299, 0.3475** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.7964, 0.6343, 0.3270**, and the grayscale version is **30.7958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **27.6917, 0.2305, 0.3497** is the 20% darker color. If you saturate the color by 10%, you get **53.9812, 0.2299, 0.3476**, and if you desaturate by 10%, it is **54.2207, 0.2307, 0.3455**.

Distribution



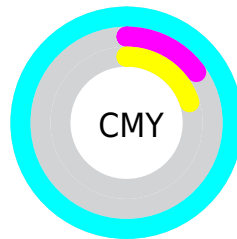
- Red (0%)
- Green (85%)
- Blue (80%)



- Red (0%)
- Yellow (44%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.9853, 0.2299, 0.3475 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 53.9853, 0.2299, 0.3475 by changing the saturation by 10% instead.


 53.9853, 0.2299,
0.3475


 53.9853, 0.2299,
0.3475


402.0540, 0.2694,
0.3394


 38.5899, 0.2206,
0.3492


 96.0527, 0.2438,
0.3448


 26.4409, 0.2091,
0.3512


 123.4934, 0.2492,
0.3437


 17.1537, 0.1944,
0.3535


 155.7181, 0.2537,
0.3428

 10.3442, 0.1751,
0.3562

 193.1111, 0.2577,
0.3419

 5.6277, 0.1488,
0.3591

 236.0568, 0.2612,
0.3412

 2.6201, 0.1117,
0.3610

284.9395, 0.2643,

 0.9368, 0.0000,

0.3405

0.3796

340.1438, 0.2670,
0.3399

■ 0.0000, 0.0000,
0.0000

■ 53.9853, 0.2299,
0.3475

■ 53.9853, 0.2299,
0.3475

■ 53.9812, 0.2299,
0.3476

■ 54.2207, 0.2307,
0.3455

■ 54.6462, 0.2330,
0.3435

■ 55.3232, 0.2371,
0.3415

■ 56.2862, 0.2432,
0.3395

■ 57.5640, 0.2511,
0.3375

■ 59.1823, 0.2609,
0.3356

■ 61.1637, 0.2722,
0.3338

■ 63.5292, 0.2849,
0.3320

■ 66.2981, 0.2987,
0.3304

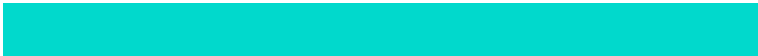
Harmonies

Analogous

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



53.9853, 0.2775, 0.4086



53.9853, 0.2299, 0.3475



53.9853, 0.2052, 0.2874

Triad

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



53.9853, 0.2299, 0.3475



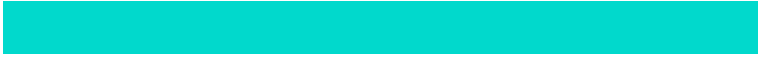
53.9853, 0.2786, 0.2393



53.9853, 0.4302, 0.3979

Complementary

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



53.9853, 0.2299, 0.3475



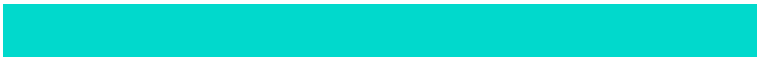
14.7964, 0.6343, 0.3270

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.



53.9853, 0.4337, 0.3513



53.9853, 0.2299, 0.3475



53.9853, 0.3408, 0.2650

Square

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



53.9853, 0.2299, 0.3475



53.9853, 0.2311, 0.2325



53.9853, 0.3999, 0.3045



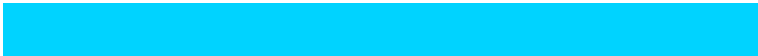
53.9853, 0.3937, 0.4334

Rectangle

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



53.9853, 0.2299, 0.3475



53.9853, 0.2029, 0.2583



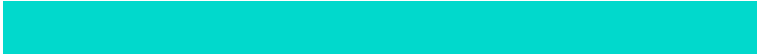
53.9853, 0.3999, 0.3045



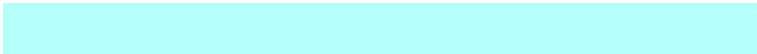
53.9853, 0.4355, 0.3829

Sweetspot

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



53.9873, 0.2299, 0.3475



87.9713, 0.2715, 0.3339



49.7280, 0.3012, 0.5988



18.5582, 0.2666, 0.3346



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.



53.9873, 0.2299, 0.3475



77.7910, 0.2299, 0.3477



19.2420, 0.1832, 0.1795



14.8153, 0.2990, 0.3304



32.6840, 0.2298, 0.3473



2.1216, 0.2289, 0.3440

Inverse Universe

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



14.7964, 0.6343, 0.3270



21.2955, 0.6356, 0.3275



22.8304, 0.5612, 0.3923



13.0642, 0.3282, 0.3276



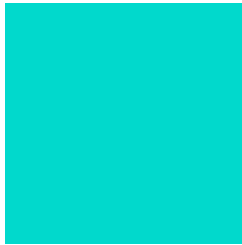
8.9528, 0.6333, 0.3262



0.5846, 0.6134, 0.3153

Previews

White Background



This preview shows how the Yxy color 53.9853, 0.2299, 0.3475 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 53.9853, 0.2299, 0.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

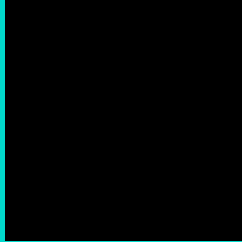
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

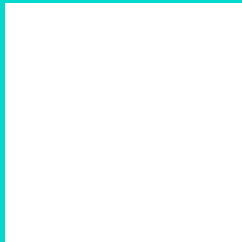
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.9853, 0.2299, 0.3475

Background



This preview shows how black text looks on a background with the Yxy color 53.9853, 0.2299, 0.3475.

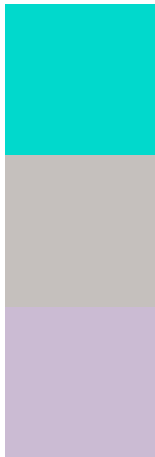


This preview shows how white text looks on a background with the Yxy color 53.9853, 0.2299, 0.3475.

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

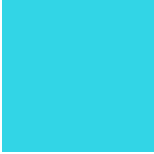
53.9918, 0.2299, 0.3475

Protanopia

53.2437, 0.3191, 0.3327

Deuteranopia

52.9403, 0.3076, 0.3006



Tritanopia

53.9798, 0.2231, 0.3057

Trichromacy



Original Color

53.9918, 0.2299, 0.3475



Protanomaly

50.1040, 0.2651, 0.3386



Deuteranomaly

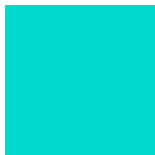
49.6094, 0.2582, 0.3153



Tritanomaly

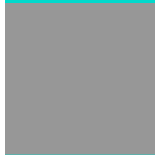
53.6207, 0.2243, 0.3190

Monochromacy



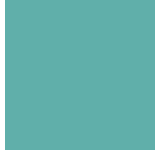
Original Color

53.9918, 0.2299, 0.3475



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

36.0490, 0.2562, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.9853, 0.2299, 0.3475 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, 217, 204)` looks like.

```
.text, #text, p{  
    color:rgb(1, 217, 204)  
}
```

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, 217, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 217, 204) }
```

Border

The CSS property to change the border of an element to Yxy 53.9853, 0.2299, 0.3475 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, 217, 204) }
```

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

```
.border{ border-color:rgb(1, 217, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 217, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 217, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 217, 204);  
box-shadow:4px 4px 4px 4px rgb(1, 217,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 53.9853, 0.2299, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 217, 204) }
```

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

```
.background{ background-color: rgb(1, 217,  
204) }
```

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](#).

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