

Converting Colors

$Yxy(48.2781, 0.1974, 0.3504)$

Have a look what the booklet for
Yxy(48.2781, 0.1974, 0.3504)
contains.

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Color

Yxy(51.7586, 0.2300, 0.3478)

Conversions

Conversions Part 1

Format	Color
Hex	01D5C8
RGB	1, 213, 200
RGB Percent	0%, 84%, 78%
CMY	0.9963, 0.1647, 0.2157
CMYK	1.00, 0.00, 0.06, 0.16
HSL	176°, 99%, 42%
HSV	176°, 100%, 84%
XYZ	34.2279, 51.7586, 62.8306
YIQ	148.1300, -122.1790, -48.9870

Conversions

Conversions Part 2

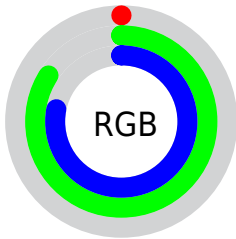
Format	Color
RYB	1, 110, 213
Decimal	120264
CIELab	77.14, -45.72, -5.93
CIELCh	77, 46.105, 187.387
Yxy	51.7586, 0.2300, 0.3478
Android (android.graphics.Color)	4278310344 (0xFF01D5C8)
YUV	148.1300, 25.5719, -129.0330
Hunter-Lab	71.9435, -40.9776, -1.4195

Details

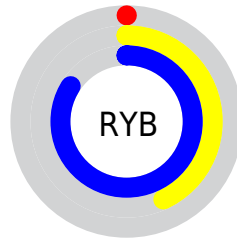
The Yxy color **51.7586, 0.2300, 0.3478** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.1967, 0.6339, 0.3269**, and the grayscale version is **29.5902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9281, 0.2408, 0.3288**, and **26.1893, 0.2306, 0.3502** is the 20% darker color. If you saturate the color by 10%, you get **51.7518, 0.2300, 0.3479**, and if you desaturate by 10%, it is **51.9890, 0.2308, 0.3458**.

Distribution



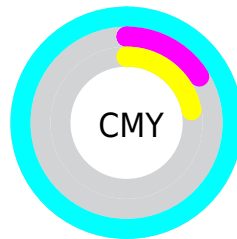
- Red (0%)
- Green (84%)
- Blue (78%)



- Red (0%)
- Yellow (43%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (16%)



- Cyan (100%)
- Magenta (16%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7586, 0.2300, 0.3478 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 51.7586, 0.2300, 0.3478 by changing the saturation by 10% instead.

 51.7586, 0.2300,
0.3478


 51.7586, 0.2300,
0.3478


393.5040, 0.2698,
0.3394

 36.8127, 0.2206,
0.3496


 92.7751, 0.2441,
0.3450

 25.0625, 0.2089,
0.3517


 119.6145, 0.2494,
0.3439


 16.1236, 0.1938,
0.3541


 151.1872, 0.2541,
0.3429

 9.6117, 0.1740,
0.3570

 187.8776, 0.2580,
0.3420

 5.1423, 0.1467,
0.3600

 230.0701, 0.2615,
0.3413

 2.3310, 0.1068,
0.3625

278.1491, 0.2646,

 0.7900, 0.0000,

0.3406

0.3764

332.4989, 0.2673,
0.3400

■ 0.0000, 0.0000,
0.0000

■ 51.7586, 0.2300,
0.3478

■ 51.7586, 0.2300,
0.3478

■ 51.7518, 0.2300,
0.3479

■ 51.9890, 0.2308,
0.3458

■ 52.4028, 0.2332,
0.3437

■ 53.0580, 0.2373,
0.3417

■ 53.9875, 0.2434,
0.3396

■ 55.2187, 0.2514,
0.3376

■ 56.7761, 0.2611,
0.3357

■ 58.6813, 0.2725,
0.3338

■ 60.9543, 0.2852,
0.3321

■ 63.6135, 0.2989,
0.3304

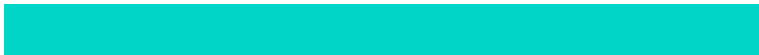
Harmonies

Analogous

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



51.7586, 0.2777, 0.4089



51.7586, 0.2300, 0.3478



51.7586, 0.2052, 0.2876

Triad

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



51.7586, 0.2300, 0.3478



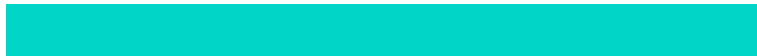
51.7586, 0.2783, 0.2392



51.7586, 0.4304, 0.3977

Complementary

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



51.7586, 0.2300, 0.3478



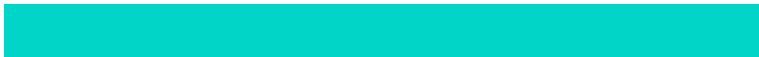
14.1967, 0.6339, 0.3269

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.



51.7586, 0.4337, 0.3511



51.7586, 0.2300, 0.3478



51.7586, 0.3405, 0.2648

Square

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



51.7586, 0.2300, 0.3478



51.7586, 0.2309, 0.2324



51.7586, 0.3997, 0.3043



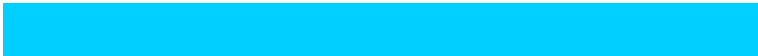
51.7586, 0.3939, 0.4334

Rectangle

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



51.7586, 0.2300, 0.3478



51.7586, 0.2028, 0.2584



51.7586, 0.3997, 0.3043



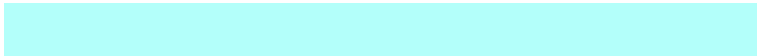
51.7586, 0.4356, 0.3828

Sweetspot

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



51.7605, 0.2300, 0.3478



87.9661, 0.2716, 0.3339



47.6885, 0.3013, 0.5987



18.5569, 0.2666, 0.3347



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.



51.7605, 0.2300, 0.3478



77.7745, 0.2300, 0.3481



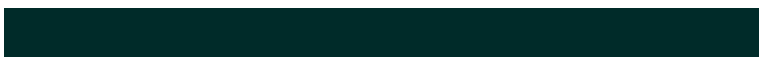
18.5090, 0.1834, 0.1799



14.0941, 0.2991, 0.3304



31.6207, 0.2299, 0.3476



1.9113, 0.2289, 0.3441

Inverse Universe

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



14.1967, 0.6339, 0.3269



21.2963, 0.6355, 0.3275



21.9453, 0.5607, 0.3926



12.4330, 0.3282, 0.3276



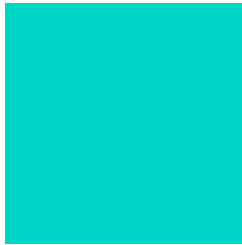
8.6640, 0.6330, 0.3261



0.5270, 0.6117, 0.3144

Previews

White Background



This preview shows how the Yxy color 51.7586, 0.2300, 0.3478 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 51.7586, 0.2300, 0.3478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

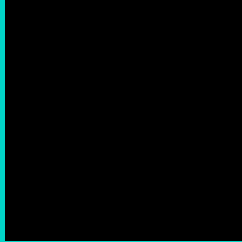
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

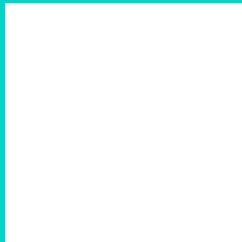
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.7586, 0.2300, 0.3478

Background



This preview shows how black text looks on a background with the Yxy color 51.7586, 0.2300, 0.3478.

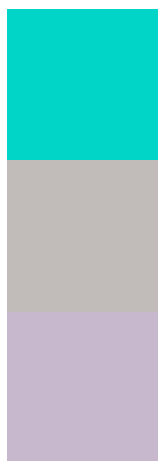


This preview shows how white text looks on a background with the Yxy color 51.7586, 0.2300, 0.3478.

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

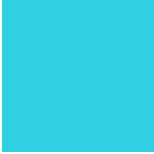
51.7651, 0.2300, 0.3478

Protanopia

50.8067, 0.3192, 0.3328

Deuteranopia

50.8793, 0.3082, 0.3025



Tritanopia

51.7449, 0.2230, 0.3053

Trichromacy



Original Color

51.7651, 0.2300, 0.3478



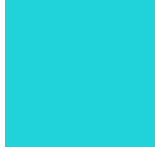
Protanomaly

47.8612, 0.2649, 0.3388



Deuteranomaly

47.9019, 0.2587, 0.3164



Tritanomaly

51.4100, 0.2243, 0.3188

Monochromacy



Original Color

51.7651, 0.2300, 0.3478



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.7280, 0.2567, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7586, 0.2300, 0.3478 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, 213, 200)` looks like.

```
.text, #text, p{  
    color:rgb(1, 213, 200)  
}
```

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, 213, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 213, 200) }
```

Border

The CSS property to change the border of an element to Yxy 51.7586, 0.2300, 0.3478 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, 213, 200) }
```

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

```
.border{ border-color:rgb(1, 213, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 213, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 213, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 213, 200);  
box-shadow:4px 4px 4px 4px rgb(1, 213,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7586, 0.2300, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 213, 200) }
```

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

```
.background{ background-color: rgb(1, 213,  
200) }
```

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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