

Converting Colors

$Y_{xy}(43.7457, 0.2272, 0.3380)$

Have a look what the booklet for
Yxy(43.7457, 0.2272, 0.3380)
contains.

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Color

Yxy(43.6941, 0.2273, 0.3381)

Conversions

Conversions Part 1

Format	Color
Hex	01C5BF
RGB	1, 197, 191
RGB Percent	0%, 77%, 75%
CMY	0.9972, 0.2275, 0.2510
CMYK	1.00, 0.00, 0.03, 0.23
HSL	178°, 99%, 39%
HSV	178°, 100%, 77%
XYZ	29.3749, 43.6941, 56.1652
YIQ	137.7120, -114.8900, -43.4180

Conversions

Conversions Part 2

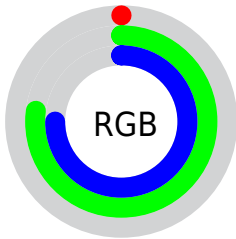
Format	Color
RYB	1, 101, 197
Decimal	116159
CIELab	72.02, -41.36, -8.63
CIELCh	72, 42.252, 191.790
Yxy	43.6941, 0.2273, 0.3381
Android (android.graphics.Color)	4278306239 (0xFF01C5BF)
YUV	137.7120, 26.2710, -119.8964
Hunter-Lab	66.1015, -36.3538, -4.1065

Details

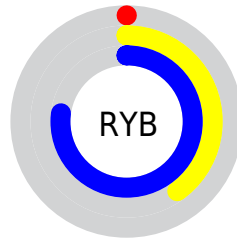
The Yxy color **43.6941, 0.2273, 0.3381** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.9001, 0.6365, 0.3283**, and the grayscale version is **25.1958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5421, 0.2425, 0.3370**, and **21.1810, 0.2270, 0.3372** is the 20% darker color. If you saturate the color by 10%, you get **43.6901, 0.2273, 0.3381**, and if you desaturate by 10%, it is **43.8709, 0.2285, 0.3371**.

Distribution



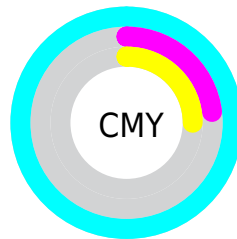
- Red (0%)
- Green (77%)
- Blue (75%)



- Red (0%)
- Yellow (40%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6941, 0.2273, 0.3381 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 43.6941, 0.2273, 0.3381 by changing the saturation by 10% instead.


 43.6941, 0.2273,
0.3381

 43.6941, 0.2273,
0.3381


361.4585, 0.2694,
0.3346


 30.4301, 0.2171,
0.3386


 80.7572, 0.2424,
0.3371

 20.1653, 0.2042,
0.3390


 105.3252, 0.2481,
0.3367

 12.5152, 0.1874,
0.3392


 134.4299, 0.2530,
0.3362

 7.0956, 0.1649,
0.3386

 168.4557, 0.2572,
0.3359

 3.5220, 0.1335,
0.3361

 207.7871, 0.2608,
0.3355

 1.4099, 0.0611,
0.3374

252.8084, 0.2640,

 0.2240, 0.0000,

0.3352

0.2091

303.9041, 0.2668,
0.3349

■ 0.0000, 0.0000,
0.0000

■ 43.6941, 0.2273,
0.3381

■ 43.6941, 0.2273,
0.3381

■ 43.6901, 0.2273,
0.3381

■ 43.8709, 0.2285,
0.3371

■ 44.1980, 0.2311,
0.3361

■ 44.7263, 0.2354,
0.3351

■ 45.4829, 0.2417,
0.3342

■ 46.4903, 0.2499,
0.3332

■ 47.7686, 0.2599,
0.3322

■ 49.3359, 0.2715,
0.3313

■ 51.2085, 0.2844,
0.3305

■ 53.4016, 0.2984,
0.3297

Harmonies

Analogous

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



43.6941, 0.2710, 0.3987



43.6941, 0.2273, 0.3381



43.6941, 0.2066, 0.2819

Triad

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



43.6941, 0.2273, 0.3381



43.6941, 0.2877, 0.2442



43.6941, 0.4236, 0.4022

Complementary

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



43.6941, 0.2273, 0.3381



11.9001, 0.6365, 0.3283

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.



43.6941, 0.4319, 0.3577



43.6941, 0.2273, 0.3381



43.6941, 0.3489, 0.2715

Square

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



43.6941, 0.2273, 0.3381



43.6941, 0.2387, 0.2347



43.6941, 0.4039, 0.3115



43.6941, 0.3846, 0.4336

Rectangle

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



43.6941, 0.2273, 0.3381



43.6941, 0.2066, 0.2557



43.6941, 0.4039, 0.3115



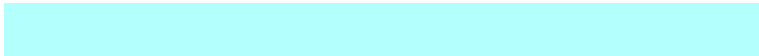
43.6941, 0.4303, 0.3881

Sweetspot

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



43.6957, 0.2273, 0.3381



88.1142, 0.2705, 0.3314



39.9787, 0.3007, 0.5992



18.5930, 0.2654, 0.3318



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.



43.6957, 0.2273, 0.3381



78.2471, 0.2273, 0.3383



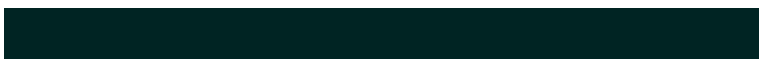
14.2206, 0.1803, 0.1690



12.0617, 0.2988, 0.3297



28.7410, 0.2272, 0.3380



1.3627, 0.2267, 0.3359

Inverse Universe

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



11.9001, 0.6365, 0.3283



21.2771, 0.6379, 0.3288



19.5804, 0.5504, 0.4009



10.6421, 0.3285, 0.3283



7.8186, 0.6363, 0.3279



0.3721, 0.6232, 0.3207

Previews

White Background



This preview shows how the Yxy color 43.6941, 0.2273, 0.3381 looks on a white background.

Color Contrast Check

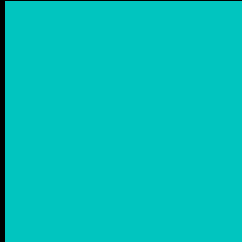
Large Text (above 18pt) WCAG AA × Fail

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 43.6941, 0.2273, 0.3381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

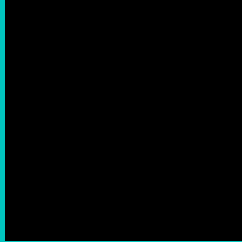
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

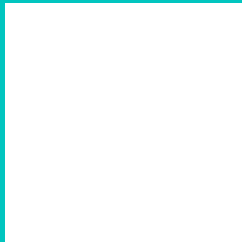
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.6941, 0.2273, 0.3381

Background



This preview shows how black text looks on a background with the Yxy color 43.6941, 0.2273, 0.3381.

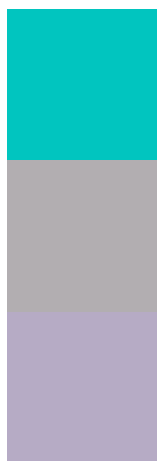


This preview shows how white text looks on a background with the Yxy color 43.6941, 0.2273, 0.3381.

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

43.7005, 0.2273, 0.3381

Protanopia

42.9114, 0.3138, 0.3250

Deuteranopia

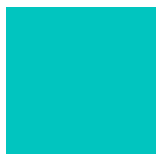
43.1021, 0.3012, 0.2955



Tritanopia

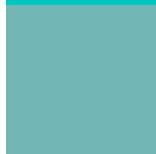
43.7081, 0.2222, 0.3051

Trichromacy



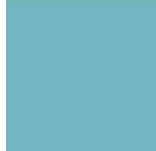
Original Color

43.7005, 0.2273, 0.3381



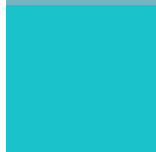
Protanomaly

40.4107, 0.2613, 0.3288



Deuteranomaly

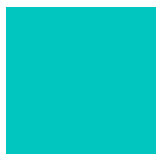
40.2957, 0.2541, 0.3069



Tritanomaly

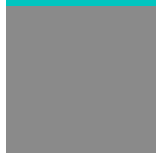
43.5616, 0.2233, 0.3166

Monochromacy



Original Color

43.7005, 0.2273, 0.3381



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.3053, 0.2552, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6941, 0.2273, 0.3381 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, 197, 191)` looks like.

```
.text, #text, p{  
    color:rgb(1, 197, 191)  
}
```

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, 197, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 197, 191) }
```

Border

The CSS property to change the border of an element to Yxy 43.6941, 0.2273, 0.3381 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, 197, 191) }
```

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

```
.border{ border-color:rgb(1, 197, 191) }
```

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

Here you see how a box with a 4 pixel rgb(1, 197, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 197, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 197, 191);  
box-shadow:4px 4px 4px 4px rgb(1, 197,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6941, 0.2273, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 197, 191) }
```

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

```
.background{ background-color: rgb(1, 197,  
191) }
```

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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