

Converting Colors

$Y_{xy}(42.7929, 0.2255, 0.3583)$

Have a look what the booklet for
Yxy(42.7929, 0.2255, 0.3583)
contains.

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Color

Yxy(43.6428, 0.2331, 0.3590)

Conversions

Conversions Part 1

Format	Color
Hex	01C6B3
RGB	1, 198, 179
RGB Percent	0%, 78%, 70%
CMY	0.9976, 0.2236, 0.2980
CMYK	1.00, 0.00, 0.10, 0.22
HSL	174°, 99%, 39%
HSV	174°, 100%, 78%
XYZ	28.3374, 43.6428, 49.5875
YIQ	136.9310, -111.3130, -47.6730

Conversions

Conversions Part 2

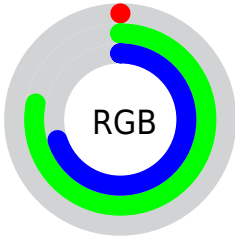
Format	Color
R_{YB}	1, 104, 198
Decimal	116403
CIE _{Lab}	71.99, -45.24, -2.17
CIE _{LCh}	72, 45.292, 182.745
Y _{xy}	43.6428, 0.2331, 0.3590
Android (android.graphics.Color)	4278306483 (0xFF01C6B3)
YUV	136.9310, 20.7400, -119.2115
Hunter-Lab	66.0627, -39.0426, 1.7401

Details

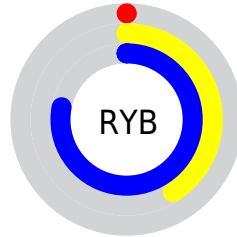
The Yxy color **43.6428, 0.2331, 0.3590** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.0669, 0.6291, 0.3242**, and the grayscale version is **24.8922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4017, 0.2473, 0.3528**, and **21.1513, 0.2349, 0.3657** is the 20% darker color. If you saturate the color by 10%, you get **43.6382, 0.2331, 0.3591**, and if you desaturate by 10%, it is **43.8711, 0.2337, 0.3558**.

Distribution



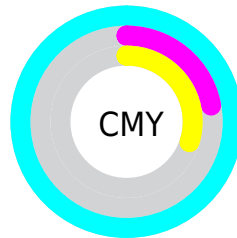
- Red (0%)
- Green (78%)
- Blue (70%)



- Red (0%)
- Yellow (41%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6428, 0.2331, 0.3590 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 43.6428, 0.2331, 0.3590 by changing the saturation by 10% instead.


 43.6428, 0.2331,
0.3590


 43.6428, 0.2331,
0.3590


361.2486, 0.2727,
0.3443


 30.3898, 0.2233,
0.3625


 80.6800, 0.2474,
0.3538

 20.1346, 0.2109,
0.3670

 105.2329, 0.2528,
0.3518

 12.4930, 0.1946,
0.3727


 134.3213, 0.2574,
0.3501

 7.0803, 0.1724,
0.3802

 168.3295, 0.2613,
0.3486

 3.5124, 0.1407,
0.3905

 207.6420, 0.2648,
0.3473

 1.4047, 0.0475,
0.4248

252.6431, 0.2677,

 0.2202, 0.0000,

0.3462

0.3600

303.7171, 0.2704,
0.3452

■ 0.0000, 0.0000,
0.0000

■ 43.6428, 0.2331,
0.3590

■ 43.6428, 0.2331,
0.3590

■ 43.6382, 0.2331,
0.3591

■ 43.8711, 0.2337,
0.3558

■ 44.2519, 0.2358,
0.3525

■ 44.8371, 0.2397,
0.3492

■ 45.6540, 0.2456,
0.3459

■ 46.7255, 0.2533,
0.3427

■ 48.0721, 0.2628,
0.3396

■ 49.7120, 0.2738,
0.3366

■ 51.6617, 0.2860,
0.3339

■ 53.9367, 0.2992,
0.3313

Harmonies

Analogous

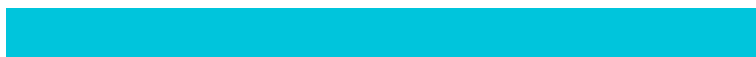
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.6428, 0.2853, 0.4203



43.6428, 0.2331, 0.3590



43.6428, 0.2036, 0.2943

Triad

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



43.6428, 0.2331, 0.3590



43.6428, 0.2680, 0.2337



43.6428, 0.4379, 0.3927

Complementary

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



43.6428, 0.2331, 0.3590



12.0669, 0.6291, 0.3242

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.



43.6428, 0.4355, 0.3438



43.6428, 0.2331, 0.3590



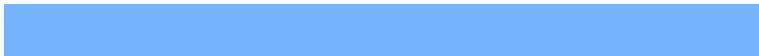
43.6428, 0.3311, 0.2574

Square

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



43.6428, 0.2331, 0.3590



43.6428, 0.2223, 0.2299



43.6428, 0.3948, 0.2962



43.6428, 0.4043, 0.4328

Rectangle

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



43.6428, 0.2331, 0.3590



43.6428, 0.1985, 0.2616



43.6428, 0.3948, 0.2962



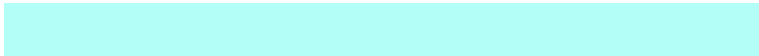
43.6428, 0.4415, 0.3767

Sweetspot

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



43.6445, 0.2331, 0.3590



87.7996, 0.2729, 0.3369



40.5388, 0.3023, 0.5980



18.5164, 0.2681, 0.3381



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.



43.6445, 0.2331, 0.3590



77.2606, 0.2332, 0.3596



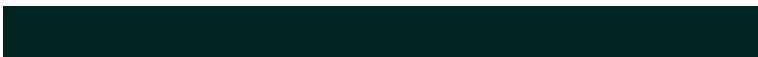
17.2831, 0.1868, 0.1921



12.0493, 0.2996, 0.3312



28.3882, 0.2330, 0.3587



1.3494, 0.2311, 0.3519

Inverse Universe

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



12.0669, 0.6291, 0.3242



21.3281, 0.6316, 0.3253



17.6790, 0.5697, 0.3855



10.6532, 0.3275, 0.3268



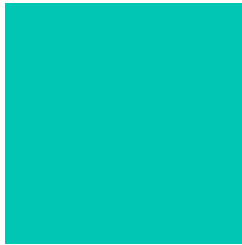
7.8441, 0.6278, 0.3232



0.3772, 0.5908, 0.3028

Previews

White Background



This preview shows how the Yxy color 43.6428, 0.2331, 0.3590 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 43.6428, 0.2331, 0.3590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

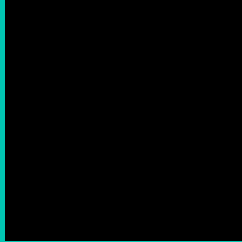
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

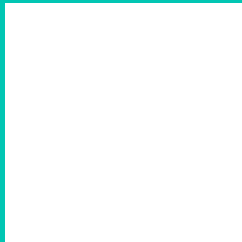
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.6428, 0.2331, 0.3590

Background



This preview shows how black text looks on a background with the Yxy color 43.6428, 0.2331, 0.3590.

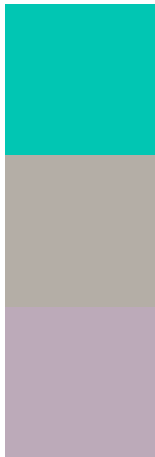


This preview shows how white text looks on a background with the Yxy color 43.6428, 0.2331, 0.3590.

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

43.6493, 0.2331, 0.3590

Protanopia

42.7286, 0.3248, 0.3398

Deuteranopia

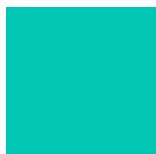
42.9436, 0.3163, 0.3096



Tritanopia

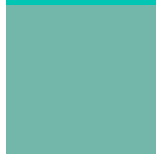
43.8651, 0.2245, 0.3066

Trichromacy



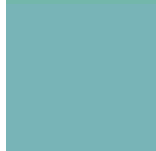
Original Color

43.6493, 0.2331, 0.3590



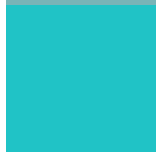
Protanomaly

40.4521, 0.2692, 0.3473



Deuteranomaly

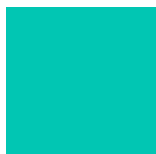
40.0545, 0.2641, 0.3244



Tritanomaly

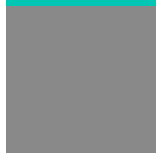
43.4145, 0.2263, 0.3242

Monochromacy



Original Color

43.6493, 0.2331, 0.3590



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

29.0895, 0.2580, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6428, 0.2331, 0.3590 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, 198, 179)` looks like.

```
.text, #text, p{  
    color:rgb(1, 198, 179)  
}
```

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, 198, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 198, 179) }
```

Border

The CSS property to change the border of an element to Yxy 43.6428, 0.2331, 0.3590 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, 198, 179) }
```

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

```
.border{ border-color:rgb(1, 198, 179) }
```

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

Here you see how a box with a 4 pixel rgb(1, 198, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 198, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 198, 179);  
box-shadow:4px 4px 4px 4px rgb(1, 198,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6428, 0.2331, 0.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 198, 179) }
```

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

```
.background{ background-color: rgb(1, 198,  
179) }
```

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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