

Converting Colors

$Y_{xy}(44.1462, 0.2094, 0.3472)$

Have a look what the booklet for
Yxy(44.1462, 0.2094, 0.3472)
contains.

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Color

Yxy(46.0026, 0.2294, 0.3457)

Conversions

Conversions Part 1

Format	Color
Hex	01CABF
RGB	1, 202, 191
RGB Percent	0%, 79%, 75%
CMY	0.9978, 0.2078, 0.2511
CMYK	1.00, 0.00, 0.05, 0.21
HSL	177°, 99%, 40%
HSV	177°, 100%, 79%
XYZ	30.5265, 46.0026, 56.5418
YIQ	140.6470, -116.2650, -46.0330

Conversions

Conversions Part 2

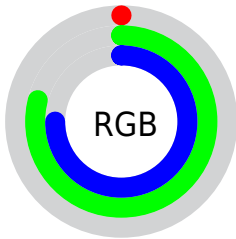
Format	Color
R_{YB}	1, 104, 202
Decimal	117439
CIE _{Lab}	73.55, -43.57, -6.36
CIE _{LCh}	74, 44.029, 188.311
Yxy	46.0026, 0.2294, 0.3457
Android (android.graphics.Color)	4278307519 (0xFF01CABF)
YUV	140.6470, 24.8240, -122.4704
Hunter-Lab	67.8252, -38.3557, -1.9489

Details

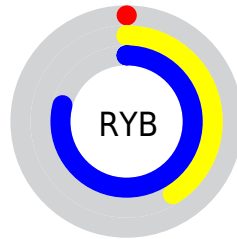
The Yxy color **46.0026, 0.2294, 0.3457** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.5942, 0.6345, 0.3271**, and the grayscale version is **26.3703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2387, 0.2430, 0.3382**, and **22.7024, 0.2298, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **45.9993, 0.2294, 0.3458**, and if you desaturate by 10%, it is **46.2064, 0.2303, 0.3439**.

Distribution



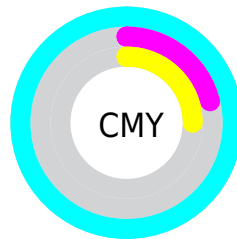
- Red (0%)
- Green (79%)
- Blue (75%)



- Red (0%)
- Yellow (41%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (21%)



- Cyan (100%)
- Magenta (21%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0026, 0.2294, 0.3457 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 46.0026, 0.2294, 0.3457 by changing the saturation by 10% instead.


 46.0026, 0.2294,
0.3457

 46.0026, 0.2294,
0.3457


370.8191, 0.2702,
0.3383


 32.2479, 0.2195,
0.3472


 84.2229, 0.2440,
0.3432


 21.5509, 0.2071,
0.3490


 109.4572, 0.2496,
0.3422


 13.5273, 0.1910,
0.3511


 139.2869, 0.2543,
0.3414

 7.7926, 0.1694,
0.3533

 174.0963, 0.2584,
0.3406

 3.9625, 0.1393,
0.3552

 214.2699, 0.2619,
0.3399

 1.6526, 0.0791,
0.3611

260.1919, 0.2650,

 0.3927, 0.0000,

0.3393

0.3104

312.2468, 0.2678,
0.3388

■ 0.0000, 0.0000,
0.0000

■ 46.0026, 0.2294,
0.3457

■ 46.0026, 0.2294,
0.3457

■ 45.9993, 0.2294,
0.3458

■ 46.2064, 0.2303,
0.3439

■ 46.5695, 0.2327,
0.3421

■ 47.1457, 0.2369,
0.3403

■ 47.9638, 0.2430,
0.3385

■ 49.0481, 0.2510,
0.3367

■ 50.4198, 0.2608,
0.3349

■ 52.0981, 0.2722,
0.3333

■ 54.1005, 0.2849,
0.3317

■ 56.4432, 0.2986,
0.3303

Harmonies

Analogous

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



46.0026, 0.2762, 0.4067



46.0026, 0.2294, 0.3457



46.0026, 0.2055, 0.2864

Triad

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



46.0026, 0.2294, 0.3457



46.0026, 0.2803, 0.2403



46.0026, 0.4289, 0.3987

Complementary

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



46.0026, 0.2294, 0.3457



12.5942, 0.6345, 0.3271

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.



46.0026, 0.4333, 0.3525



46.0026, 0.2294, 0.3457



46.0026, 0.3423, 0.2662

Square

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



46.0026, 0.2294, 0.3457



46.0026, 0.2325, 0.2329



46.0026, 0.4007, 0.3058



46.0026, 0.3920, 0.4335

Rectangle

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



46.0026, 0.2294, 0.3457



46.0026, 0.2036, 0.2578



46.0026, 0.4007, 0.3058



46.0026, 0.4345, 0.3839

Sweetspot

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



46.0043, 0.2294, 0.3457



87.9974, 0.2713, 0.3334



42.3350, 0.3013, 0.5988



18.5645, 0.2664, 0.3341



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.



46.0043, 0.2294, 0.3457



77.8731, 0.2294, 0.3460



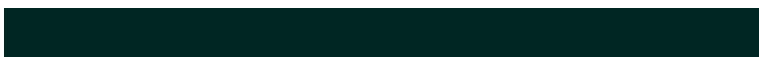
16.4633, 0.1834, 0.1801



12.7160, 0.2991, 0.3302



29.6048, 0.2293, 0.3455



1.5306, 0.2283, 0.3420

Inverse Universe

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



12.5942, 0.6345, 0.3271



21.2916, 0.6361, 0.3278



19.5128, 0.5605, 0.3929



11.2235, 0.3282, 0.3278



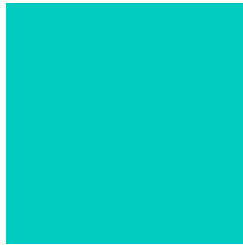
8.0999, 0.6335, 0.3264



0.4214, 0.6121, 0.3146

Previews

White Background



This preview shows how the Yxy color 46.0026, 0.2294, 0.3457 looks on a white background.

Color Contrast Check

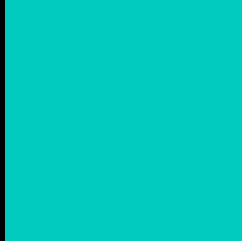
Large Text (above 18pt) WCAG AA × Fail

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 46.0026, 0.2294, 0.3457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

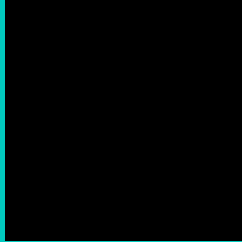
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

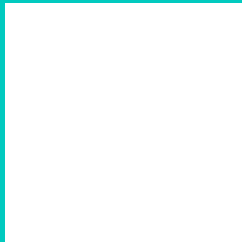
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0026, 0.2294, 0.3457

Background



This preview shows how black text looks on a background with the Yxy color 46.0026, 0.2294, 0.3457.

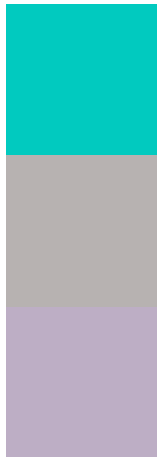


This preview shows how white text looks on a background with the Yxy color 46.0026, 0.2294, 0.3457.

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

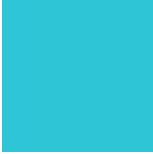
46.0091, 0.2294, 0.3457

Protanopia

45.0824, 0.3179, 0.3303

Deuteranopia

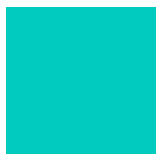
45.1221, 0.3071, 0.3000



Tritanopia

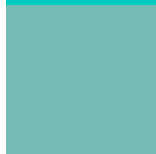
45.8753, 0.2227, 0.3041

Trichromacy



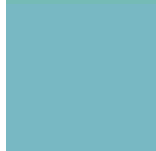
Original Color

46.0091, 0.2294, 0.3457



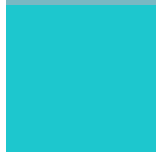
Protanomaly

42.7000, 0.2642, 0.3363



Deuteranomaly

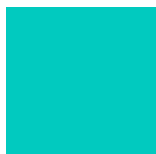
42.2142, 0.2575, 0.3129



Tritanomaly

45.5643, 0.2241, 0.3183

Monochromacy



Original Color

46.0091, 0.2294, 0.3457



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.8712, 0.2563, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0026, 0.2294, 0.3457 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, 202, 191)` looks like.

```
.text, #text, p{  
    color:rgb(1, 202, 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, 202, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 202, 191) }
```

Border

The CSS property to change the border of an element to Yxy 46.0026, 0.2294, 0.3457 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, 202, 191) }
```

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

```
.border{ border-color:rgb(1, 202, 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, 202, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 202, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 202, 191);  
box-shadow:4px 4px 4px 4px rgb(1, 202,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0026, 0.2294, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 202, 191) }
```

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

```
.background{ background-color: rgb(1, 202,  
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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