

Converting Colors

$Y_{xy}(46.5927, 0.2339, 0.3619)$

Have a look what the booklet for
Yxy(46.5927, 0.2339, 0.3619)
contains.

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Color

Yxy(46.6111, 0.2338, 0.3614)

Conversions

Conversions Part 1

Format	Color
Hex	01CCB7
RGB	1, 204, 183
RGB Percent	0%, 80%, 72%
CMY	0.9954, 0.2000, 0.2823
CMYK	0.99, 0.00, 0.10, 0.20
HSL	174°, 99%, 40%
HSV	174°, 99%, 80%
XYZ	30.1541, 46.6111, 52.2086
YIQ	140.9090, -114.2470, -49.5670

Conversions

Conversions Part 2

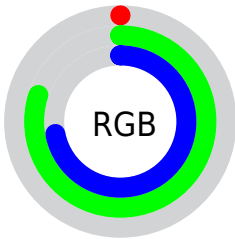
Format	Color
RYB	1, 108, 204
Decimal	117943
CIELab	73.94, -46.66, -1.47
CIELCh	74, 46.683, 181.804
Yxy	46.6111, 0.2338, 0.3614
Android (android.graphics.Color)	4278308023 (0xFF01CCB7)
YUV	140.9090, 20.7509, -122.7002
Hunter-Lab	68.2723, -40.6379, 2.4509

Details

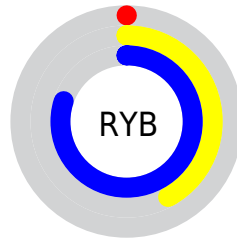
The Yxy color **46.6111, 0.2338, 0.3614** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.9215, 0.6277, 0.3237**, and the grayscale version is **26.5703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6951, 0.2459, 0.3479**, and **23.1066, 0.2357, 0.3686** is the 20% darker color. If you saturate the color by 10%, you get **46.6003, 0.2338, 0.3616**, and if you desaturate by 10%, it is **46.8597, 0.2343, 0.3579**.

Distribution



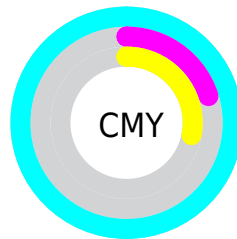
- Red (0%)
- Green (80%)
- Blue (72%)



- Red (0%)
- Yellow (42%)
- Blue (80%)



- Cyan (99%)
- Magenta (0%)
- Yellow (10%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6111, 0.2338, 0.3614 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 46.6111, 0.2338, 0.3614 by changing the saturation by 10% instead.


 46.6111, 0.2338,
0.3614

 46.6111, 0.2338,
0.3614


373.2601, 0.2727,
0.3456

 32.7283, 0.2243,
0.3652


 85.1328, 0.2478,
0.3558


 21.9184, 0.2123,
0.3700


 110.5406, 0.2531,
0.3536

 13.7970, 0.1967,
0.3761


 140.5587, 0.2576,
0.3518

 7.9796, 0.1755,
0.3843

 175.5718, 0.2614,
0.3502

 4.0819, 0.1456,
0.3955

 215.9640, 0.2648,
0.3488

 1.7195, 0.0803,
0.4210

262.1199, 0.2678,

 0.4362, 0.0000,

0.3476

0.4302

314.4238, 0.2704,
0.3466

■ 0.0000, 0.0000,
0.0000

■ 46.6111, 0.2338,
0.3614

■ 46.6111, 0.2338,
0.3614

■ 46.6003, 0.2338,
0.3616

■ 46.8597, 0.2343,
0.3579

■ 47.2755, 0.2364,
0.3543

■ 47.9112, 0.2403,
0.3508

■ 48.7963, 0.2462,
0.3472

■ 49.9553, 0.2539,
0.3437

■ 51.4100, 0.2633,
0.3404

■ 53.1801, 0.2743,
0.3372

■ 55.2835, 0.2865,
0.3342

■ 57.7366, 0.2997,
0.3314

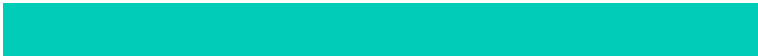
Harmonies

Analogous

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



46.6111, 0.2869, 0.4227



46.6111, 0.2338, 0.3614



46.6111, 0.2033, 0.2958

Triad

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



46.6111, 0.2338, 0.3614



46.6111, 0.2659, 0.2326



46.6111, 0.4394, 0.3916

Complementary

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



46.6111, 0.2338, 0.3614



12.9215, 0.6277, 0.3237

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.



46.6111, 0.4358, 0.3423



46.6111, 0.2338, 0.3614



46.6111, 0.3291, 0.2558

Square

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



46.6111, 0.2338, 0.3614



46.6111, 0.2206, 0.2294



46.6111, 0.3937, 0.2946



46.6111, 0.4065, 0.4326

Rectangle

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



46.6111, 0.2338, 0.3614



46.6111, 0.1977, 0.2623



46.6111, 0.3937, 0.2946



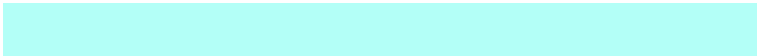
46.6111, 0.4427, 0.3755

Sweetspot

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



46.6129, 0.2338, 0.3614



87.7646, 0.2732, 0.3375



43.3934, 0.3028, 0.5974



18.5079, 0.2684, 0.3388



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.



46.6129, 0.2338, 0.3614



77.1550, 0.2339, 0.3621



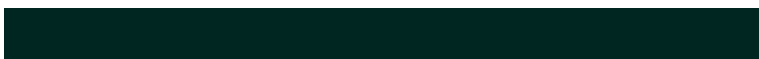
19.3526, 0.1885, 0.1982



12.7063, 0.2997, 0.3314



29.3385, 0.2336, 0.3611



1.5194, 0.2317, 0.3542

Inverse Universe

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



12.9215, 0.6277, 0.3237



21.3364, 0.6306, 0.3247



18.4206, 0.5741, 0.3818



11.2322, 0.3274, 0.3266



8.1210, 0.6268, 0.3226



0.4255, 0.5897, 0.3022

Previews

White Background



This preview shows how the Yxy color 46.6111, 0.2338, 0.3614 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 46.6111, 0.2338, 0.3614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

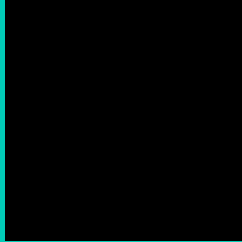
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

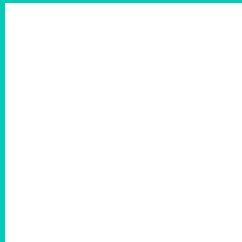
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6111, 0.2338, 0.3614

Background



This preview shows how black text looks on a background with the Yxy color 46.6111, 0.2338, 0.3614.

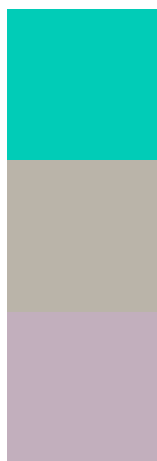


This preview shows how white text looks on a background with the Yxy color 46.6111, 0.2338, 0.3614.

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

46.6111, 0.2338, 0.3614

Protanopia

45.9462, 0.3269, 0.3435

Deuteranopia

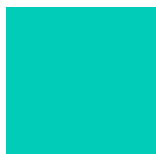
45.8034, 0.3179, 0.3114



Tritanopia

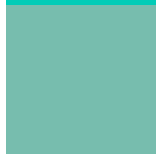
46.4832, 0.2243, 0.3057

Trichromacy



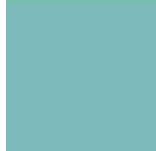
Original Color

46.6111, 0.2338, 0.3614



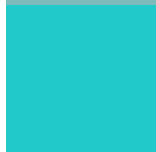
Protanomaly

43.3731, 0.2709, 0.3513



Deuteranomaly

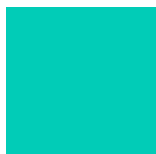
42.9908, 0.2653, 0.3274



Tritanomaly

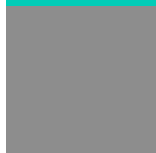
46.4252, 0.2268, 0.3258

Monochromacy



Original Color

46.6111, 0.2338, 0.3614



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

31.1249, 0.2586, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6111, 0.2338, 0.3614 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, 204, 183)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 183)  
}
```

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, 204, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 183) }
```

Border

The CSS property to change the border of an element to Yxy 46.6111, 0.2338, 0.3614 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, 204, 183) }
```

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

```
.border{ border-color:rgb(1, 204, 183) }
```

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

Here you see how a box with a 4 pixel rgb(1, 204, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 183);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6111, 0.2338, 0.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 183) }
```

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

```
.background{ background-color: rgb(1, 204,  
183) }
```

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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