

Converting Colors

$Y_{xy}(40.7494, 0.1630, 0.3687)$

Have a look what the booklet for
Yxy(40.7494, 0.1630, 0.3687)
contains.

Yxy(47.0815, 0.2341, 0.3629)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.0815, 0.2341, 0.3629)

Conversions

Conversions Part 1

Format	Color
Hex	00CDB7
RGB	0, 205, 183
RGB Percent	0%, 80%, 72%
CMY	1.0000, 0.1960, 0.2824
CMYK	1.00, 0.00, 0.11, 0.20
HSL	174°, 100%, 40%
HSV	174°, 100%, 80%
XYZ	30.3714, 47.0815, 52.2839
YIQ	141.1970, -115.1180, -50.3020

Conversions

Conversions Part 2

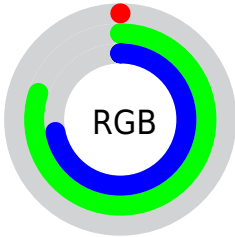
Format	Color
RYB	0, 108, 205
Decimal	52663
CIELab	74.24, -47.14, -1.03
CIELCh	74, 47.153, 181.246
Yxy	47.0815, 0.2341, 0.3629
Android (android.graphics.Color)	4278242743 (0xFF00CDB7)
YUV	141.1970, 20.6089, -123.8298
Hunter-Lab	68.6160, -41.0687, 2.8534

Details

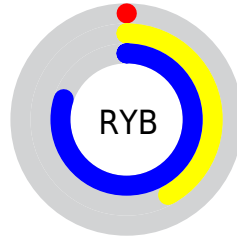
The Yxy color **47.0815, 0.2341, 0.3629** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **13.0390, 0.6283, 0.3235**, and the grayscale version is **26.6716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6951, 0.2459, 0.3479**, and **23.4244, 0.2363, 0.3706** is the 20% darker color. If you saturate the color by 10%, you get **47.0877, 0.2341, 0.3629**, and if you desaturate by 10%, it is **47.3342, 0.2346, 0.3592**.

Distribution



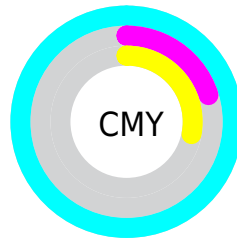
- Red (0%)
- Green (80%)
- Blue (72%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (20%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0815, 0.2341, 0.3629 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 47.0815, 0.2341, 0.3629 by changing the saturation by 10% instead.


 47.0815, 0.2341,
0.3629

 47.0815, 0.2341,
0.3629


375.1398, 0.2728,
0.3463

 33.1001, 0.2247,
0.3669


 85.8353, 0.2480,
0.3570


 22.2031, 0.2128,
0.3719


 111.3764, 0.2533,
0.3547


 14.0062, 0.1972,
0.3784


 141.5396, 0.2578,
0.3528

 8.1250, 0.1762,
0.3871

 176.7092, 0.2616,
0.3512

 4.1750, 0.1465,
0.3992

 217.2696, 0.2650,
0.3497

 1.7720, 0.0835,
0.4254

263.6052, 0.2679,

 0.4696, 0.0000,

0.3485

0.4461

316.1005, 0.2705,
0.3473

■ 0.0000, 0.0000,
0.0000

■ 47.0815, 0.2341,
0.3629

■ 47.0815, 0.2341,
0.3629

■ 47.0877, 0.2341,
0.3629

■ 47.3342, 0.2346,
0.3592

■ 47.7455, 0.2365,
0.3555

■ 48.3775, 0.2403,
0.3518

■ 49.2601, 0.2460,
0.3481

■ 50.4187, 0.2536,
0.3445

■ 51.8755, 0.2629,
0.3410

■ 53.6503, 0.2737,
0.3377

■ 55.7613, 0.2858,
0.3346

■ 58.2255, 0.2989,
0.3317

Harmonies

Analogous

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



47.0815, 0.2878, 0.4242



47.0815, 0.2341, 0.3629



47.0815, 0.2030, 0.2966

Triad

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



47.0815, 0.2341, 0.3629



47.0815, 0.2645, 0.2318



47.0815, 0.4405, 0.3910

Complementary

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



47.0815, 0.2341, 0.3629



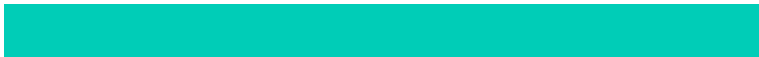
13.0390, 0.6283, 0.3235

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.



47.0815, 0.4361, 0.3414



47.0815, 0.2341, 0.3629



47.0815, 0.3279, 0.2548

Square

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



47.0815, 0.2341, 0.3629



47.0815, 0.2194, 0.2290



47.0815, 0.3932, 0.2935



47.0815, 0.4079, 0.4326

Rectangle

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



47.0815, 0.2341, 0.3629



47.0815, 0.1970, 0.2626



47.0815, 0.3932, 0.2935



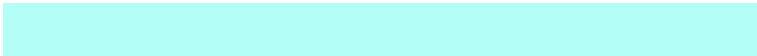
47.0815, 0.4436, 0.3747

Sweetspot

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



47.0877, 0.2341, 0.3629



87.7463, 0.2733, 0.3378



43.8622, 0.3027, 0.5978



18.5035, 0.2685, 0.3392



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.



47.0877, 0.2341, 0.3629



77.1001, 0.2343, 0.3634



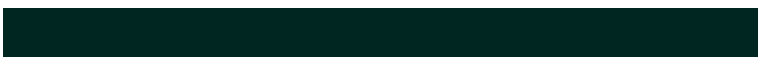
19.4390, 0.1882, 0.1973



12.7055, 0.2998, 0.3315



29.3182, 0.2340, 0.3624



1.5186, 0.2320, 0.3552

Inverse Universe

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



13.0390, 0.6283, 0.3235



21.3409, 0.6300, 0.3244



18.5138, 0.5755, 0.3812



11.2329, 0.3273, 0.3265



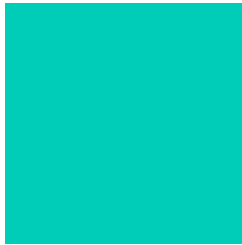
8.1230, 0.6261, 0.3223



0.4258, 0.5881, 0.3013

Previews

White Background



This preview shows how the Yxy color 47.0815, 0.2341, 0.3629 looks on a white background.

Color Contrast Check

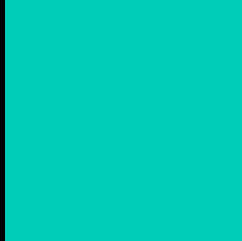
Large Text (above 18pt) WCAG AA × Fail

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 47.0815, 0.2341, 0.3629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

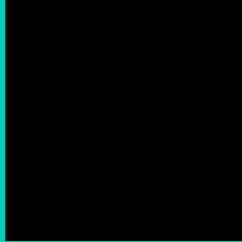
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

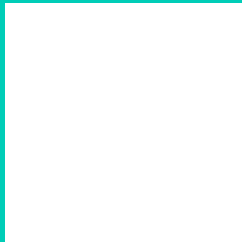
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0815, 0.2341, 0.3629

Background



This preview shows how black text looks on a background with the Yxy color 47.0815, 0.2341, 0.3629.

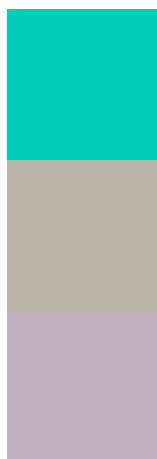


This preview shows how white text looks on a background with the Yxy color 47.0815, 0.2341, 0.3629.

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

47.0815, 0.2341, 0.3629

Protanopia

46.0719, 0.3278, 0.3434

Deuteranopia

46.3269, 0.3187, 0.3127



Tritanopia

47.0233, 0.2245, 0.3058

Trichromacy



Original Color

47.0815, 0.2341, 0.3629



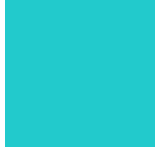
Protanomaly

43.3731, 0.2709, 0.3513



Deuteranomaly

43.4136, 0.2655, 0.3289



Tritanomaly

46.9408, 0.2268, 0.3258

Monochromacy



Original Color

47.0815, 0.2341, 0.3629



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 47.0815, 0.2341, 0.3629 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(0, 205, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 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(0, 205, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 183) }
```

Border

The CSS property to change the border of an element to Yxy 47.0815, 0.2341, 0.3629 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(0, 205, 183) }
```

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

```
.border{ border-color:rgb(0, 205, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0815, 0.2341, 0.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 183) }
```

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

```
.background{ background-color: rgb(0, 205,  
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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