

Converting Colors

$Y_{xy}(40.2500, 0.2286, 0.3599)$

Have a look what the booklet for
Yxy(40.2500, 0.2286, 0.3599)
contains.

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Color

Yxy(40.7164, 0.2333, 0.3600)

Conversions

Conversions Part 1

Format	Color
Hex	00C0AD
RGB	0, 192, 173
RGB Percent	0%, 75%, 68%
CMY	1.0000, 0.2470, 0.3216
CMYK	1.00, 0.00, 0.10, 0.25
HSL	174°, 100%, 38%
HSV	174°, 100%, 75%
XYZ	26.3865, 40.7164, 45.9982
YIQ	132.4260, -108.3330, -46.6130

Conversions

Conversions Part 2

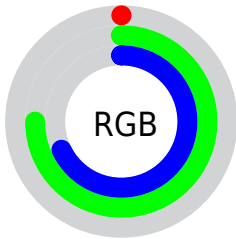
Format	Color
RYB	0, 101, 192
Decimal	49325
CIELab	69.98, -44.41, -1.83
CIELCh	70, 44.452, 182.363
Yxy	40.7164, 0.2333, 0.3600
Android (android.graphics.Color)	4278239405 (0xFF00C0AD)
YUV	132.4260, 20.0030, -116.1376
Hunter-Lab	63.8094, -37.8531, 1.9263

Details

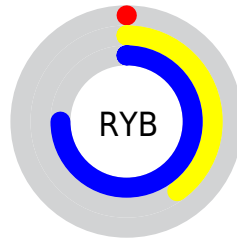
The Yxy color **40.7164, 0.2333, 0.3600** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.2551, 0.6290, 0.3239**, and the grayscale version is **23.1941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1195, 0.2481, 0.3546**, and **19.2718, 0.2347, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **40.7213, 0.2333, 0.3600**, and if you desaturate by 10%, it is **40.9360, 0.2340, 0.3567**.

Distribution



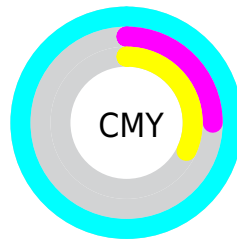
- Red (0%)
- Green (75%)
- Blue (68%)



- Red (0%)
- Yellow (40%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7164, 0.2333, 0.3600 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 40.7164, 0.2333, 0.3600 by changing the saturation by 10% instead.

 40.7164, 0.2333,
0.3600


 40.7164, 0.2333,
0.3600


349.1339, 0.2733,
0.3446

 28.0976, 0.2233,
0.3638


 76.2532, 0.2479,
0.3545

 18.3992, 0.2105,
0.3685


 99.9399, 0.2533,
0.3524


 11.2370, 0.1935,
0.3748


 128.0847, 0.2580,
0.3506

 6.2265, 0.1701,
0.3831

 161.0720, 0.2619,
0.3490

 2.9833, 0.1363,
0.3947

 199.2862, 0.2653,
0.3477

 1.1230, 0.0000,
0.4488

243.1117, 0.2683,

 0.0000, 0.0000,

0.3466

0.0000

292.9328, 0.2710,
0.3455

■ 40.7164, 0.2333,
0.3600

■ 40.7164, 0.2333,
0.3600

■ 40.7213, 0.2333,
0.3600

■ 40.9360, 0.2340,
0.3567

■ 41.2905, 0.2360,
0.3533

■ 41.8347, 0.2399,
0.3499

■ 42.5940, 0.2457,
0.3465

■ 43.5898, 0.2533,
0.3432

■ 44.8411, 0.2627,
0.3400

■ 46.3647, 0.2736,
0.3370

■ 48.1761, 0.2857,
0.3341

■ 50.2897, 0.2989,
0.3314

Harmonies

Analogous

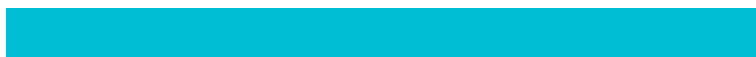
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.7164, 0.2859, 0.4214



40.7164, 0.2333, 0.3600



40.7164, 0.2034, 0.2948

Triad

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



40.7164, 0.2333, 0.3600



40.7164, 0.2671, 0.2332



40.7164, 0.4386, 0.3923

Complementary

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



40.7164, 0.2333, 0.3600



11.2551, 0.6290, 0.3239

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.



40.7164, 0.4357, 0.3432



40.7164, 0.2333, 0.3600



40.7164, 0.3303, 0.2567

Square

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



40.7164, 0.2333, 0.3600



40.7164, 0.2215, 0.2296



40.7164, 0.3945, 0.2955



40.7164, 0.4053, 0.4328

Rectangle

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



40.7164, 0.2333, 0.3600



40.7164, 0.1981, 0.2618



40.7164, 0.3945, 0.2955



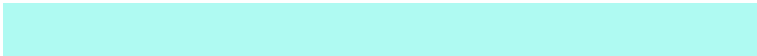
40.7164, 0.4421, 0.3763

Sweetspot

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



40.7213, 0.2333, 0.3600



83.8542, 0.2730, 0.3371



37.8450, 0.3023, 0.5982



17.7267, 0.2683, 0.3384



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.7213, 0.2333, 0.3600



73.7532, 0.2335, 0.3605



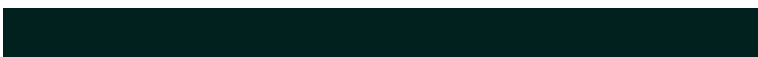
16.1151, 0.1867, 0.1920



11.4107, 0.2997, 0.3313



27.4038, 0.2332, 0.3596



1.1891, 0.2311, 0.3521

Inverse Universe

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



11.2551, 0.6290, 0.3239



20.3747, 0.6311, 0.3250



16.4885, 0.5701, 0.3855



10.0937, 0.3274, 0.3268



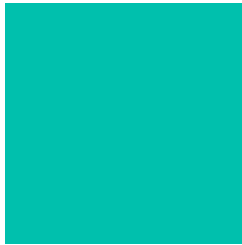
7.5779, 0.6271, 0.3228



0.3330, 0.5870, 0.3007

Previews

White Background



This preview shows how the Yxy color 40.7164, 0.2333, 0.3600 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 40.7164, 0.2333, 0.3600 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

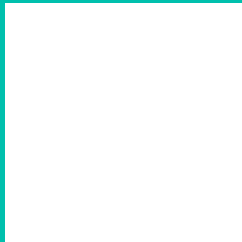
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7164, 0.2333, 0.3600

Background



This preview shows how black text looks on a background with the Yxy color 40.7164, 0.2333, 0.3600.

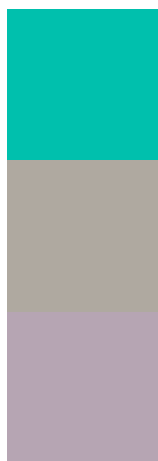


This preview shows how white text looks on a background with the Yxy color 40.7164, 0.2333, 0.3600.

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

40.7164, 0.2333, 0.3600

Protanopia

40.0280, 0.3260, 0.3415

Deuteranopia

40.1100, 0.3164, 0.3104



Tritanopia

40.9312, 0.2245, 0.3060

Trichromacy



Original Color

40.7164, 0.2333, 0.3600



Protanomaly

37.5404, 0.2694, 0.3479



Deuteranomaly

37.5473, 0.2644, 0.3258



Tritanomaly

40.4923, 0.2263, 0.3240

Monochromacy



Original Color

40.7164, 0.2333, 0.3600



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

27.1026, 0.2581, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7164, 0.2333, 0.3600 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, 192, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 173)  
}
```

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, 192, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 173) }
```

Border

The CSS property to change the border of an element to Yxy 40.7164, 0.2333, 0.3600 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, 192, 173) }
```

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

```
.border{ border-color:rgb(0, 192, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7164, 0.2333, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 173) }
```

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

```
.background{ background-color: rgb(0, 192,  
173) }
```

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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