

Converting Colors

$Yxy(38.1077, 0.2088, 0.3521)$

Have a look what the booklet for
Yxy(38.1077, 0.2088, 0.3521)
contains.

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Color

Yxy(40.0012, 0.2306, 0.3500)

Conversions

Conversions Part 1

Format	Color
Hex	01BEB1
RGB	1, 190, 177
RGB Percent	0%, 75%, 69%
CMY	0.9978, 0.2549, 0.3058
CMYK	1.00, 0.00, 0.07, 0.25
HSL	176°, 99%, 37%
HSV	176°, 100%, 75%
XYZ	26.3551, 40.0012, 47.9329
YIQ	132.0070, -108.4710, -44.1110

Conversions

Conversions Part 2

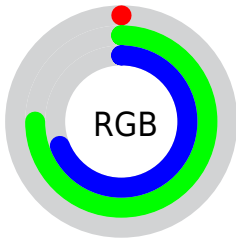
Format	Color
RYB	1, 99, 190
Decimal	114353
CIELab	69.47, -42.36, -4.78
CIELCh	69, 42.630, 186.440
Yxy	40.0012, 0.2306, 0.3500
Android (android.graphics.Color)	4278304433 (0xFF01BEB1)
YUV	132.0070, 22.1815, -114.8931
Hunter-Lab	63.2465, -36.2997, -0.6618

Details

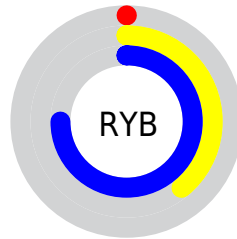
The Yxy color **40.0012, 0.2306, 0.3500** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.9891, 0.6325, 0.3261**, and the grayscale version is **22.9743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1714, 0.2455, 0.3459**, and **19.0890, 0.2315, 0.3534** is the 20% darker color. If you saturate the color by 10%, you get **39.9975, 0.2306, 0.3501**, and if you desaturate by 10%, it is **40.1954, 0.2315, 0.3477**.

Distribution



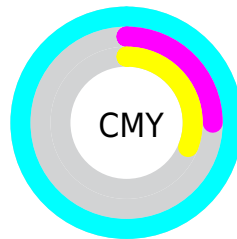
- Red (0%)
- Green (75%)
- Blue (69%)



- Red (0%)
- Yellow (39%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0012, 0.2306, 0.3500 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 40.0012, 0.2306, 0.3500 by changing the saturation by 10% instead.


 40.0012, 0.2306,
0.3500


 40.0012, 0.2306,
0.3500


346.1286, 0.2719,
0.3400


 27.5395, 0.2203,
0.3523


 75.1653, 0.2456,
0.3465

 17.9788, 0.2072,
0.3550


 98.6366, 0.2512,
0.3452

 10.9348, 0.1898,
0.3584


 126.5464, 0.2560,
0.3440

 6.0230, 0.1660,
0.3626

 159.2792, 0.2601,
0.3430

 2.8591, 0.1318,
0.3671

 197.2195, 0.2636,
0.3421

 1.0586, 0.0000,
0.4025

240.7515, 0.2667,

 0.0000, 0.0000,

0.3414

0.0000

290.2598, 0.2695,
0.3407

■ 40.0012, 0.2306,
0.3500

■ 40.0012, 0.2306,
0.3500

■ 39.9975, 0.2306,
0.3501

■ 40.1954, 0.2315,
0.3477

■ 40.5268, 0.2338,
0.3455

■ 41.0435, 0.2380,
0.3432

■ 41.7703, 0.2440,
0.3409

■ 42.7279, 0.2520,
0.3386

■ 43.9346, 0.2616,
0.3365

■ 45.4069, 0.2728,
0.3344

■ 47.1599, 0.2854,
0.3324

■ 49.2073, 0.2989,
0.3306

Harmonies

Analogous

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



40.0012, 0.2792, 0.4112



40.0012, 0.2306, 0.3500



40.0012, 0.2048, 0.2889

Triad

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



40.0012, 0.2306, 0.3500



40.0012, 0.2763, 0.2381



40.0012, 0.4319, 0.3967

Complementary

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



40.0012, 0.2306, 0.3500



10.9891, 0.6325, 0.3261

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.



40.0012, 0.4341, 0.3497



40.0012, 0.2306, 0.3500



40.0012, 0.3386, 0.2633

Square

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



40.0012, 0.2306, 0.3500



40.0012, 0.2291, 0.2319



40.0012, 0.3988, 0.3027



40.0012, 0.3960, 0.4333

Rectangle

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



40.0012, 0.2306, 0.3500



40.0012, 0.2019, 0.2590



40.0012, 0.3988, 0.3027



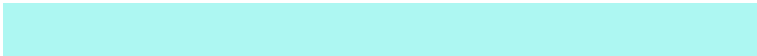
40.0012, 0.4368, 0.3816

Sweetspot

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



40.0027, 0.2306, 0.3500



82.0633, 0.2719, 0.3345



36.9387, 0.3018, 0.5983



17.7605, 0.2670, 0.3354



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.



40.0027, 0.2306, 0.3500



72.4715, 0.2307, 0.3504



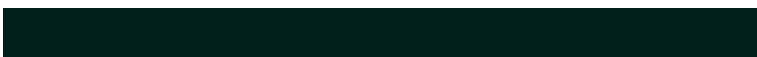
15.1040, 0.1852, 0.1866



10.7980, 0.2994, 0.3306



26.6028, 0.2305, 0.3498



1.0455, 0.2290, 0.3443

Inverse Universe

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



10.9891, 0.6325, 0.3261



19.8782, 0.6347, 0.3270



16.6109, 0.5645, 0.3896



9.5467, 0.3278, 0.3275



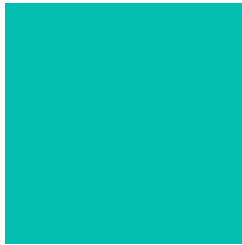
7.3030, 0.6314, 0.3252



0.2897, 0.6002, 0.3080

Previews

White Background



This preview shows how the Yxy color 40.0012, 0.2306, 0.3500 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 40.0012, 0.2306, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

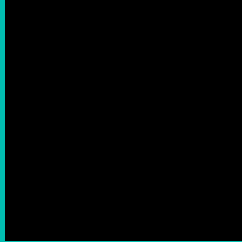
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

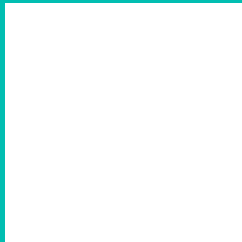
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0012, 0.2306, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 40.0012, 0.2306, 0.3500.

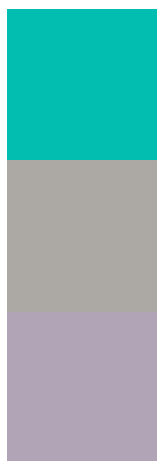


This preview shows how white text looks on a background with the Yxy color 40.0012, 0.2306, 0.3500.

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

40.0077, 0.2306, 0.3500

Protanopia

39.4563, 0.3198, 0.3346

Deuteranopia

39.4348, 0.3093, 0.3036



Tritanopia

39.9400, 0.2232, 0.3042

Trichromacy



Original Color

40.0077, 0.2306, 0.3500



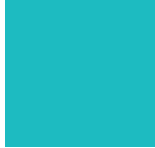
Protanomaly

37.2302, 0.2658, 0.3399



Deuteranomaly

36.7340, 0.2593, 0.3165



Tritanomaly

39.6521, 0.2247, 0.3193

Monochromacy



Original Color

40.0077, 0.2306, 0.3500



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.8054, 0.2571, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0012, 0.2306, 0.3500 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, 190, 177)` looks like.

```
.text, #text, p{  
    color:rgb(1, 190, 177)  
}
```

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, 190, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 190, 177) }
```

Border

The CSS property to change the border of an element to Yxy 40.0012, 0.2306, 0.3500 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, 190, 177) }
```

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

```
.border{ border-color:rgb(1, 190, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 190, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 190, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 190, 177);  
box-shadow:4px 4px 4px 4px rgb(1, 190,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0012, 0.2306, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 190, 177) }
```

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

```
.background{ background-color: rgb(1, 190,  
177) }
```

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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