

Converting Colors

$Y_{xy}(40.2073, 0.2350, 0.3657)$

Have a look what the booklet for
Yxy(40.2073, 0.2350, 0.3657)
contains.

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Color

Yxy(40.1326, 0.2349, 0.3653)

Conversions

Conversions Part 1

Format	Color
Hex	01BFA9
RGB	1, 191, 169
RGB Percent	0%, 75%, 66%
CMY	0.9952, 0.2510, 0.3372
CMYK	0.99, 0.00, 0.12, 0.25
HSL	173°, 99%, 38%
HSV	173°, 99%, 75%
XYZ	25.8066, 40.1326, 43.9228
YIQ	131.6820, -106.1780, -47.1220

Conversions

Conversions Part 2

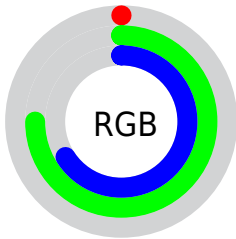
Format	Color
RYB	1, 102, 191
Decimal	114601
CIELab	69.56, -45.04, -0.25
CIELCh	70, 45.042, 180.322
Yxy	40.1326, 0.2349, 0.3653
Android (android.graphics.Color)	4278304681 (0xFF01BFA9)
YUV	131.6820, 18.3978, -114.6081
Hunter-Lab	63.3503, -38.1487, 3.2375

Details

The Yxy color **40.1326, 0.2349, 0.3653** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.1656, 0.6249, 0.3222**, and the grayscale version is **22.9403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2259, 0.2492, 0.3586**, and **18.8927, 0.2367, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **40.1209, 0.2349, 0.3656**, and if you desaturate by 10%, it is **40.3622, 0.2354, 0.3613**.

Distribution



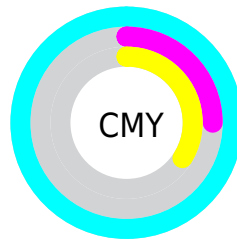
- Red (0%)
- Green (75%)
- Blue (66%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (12%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1326, 0.2349, 0.3653 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 40.1326, 0.2349, 0.3653 by changing the saturation by 10% instead.


 40.1326, 0.2349,
0.3653


 40.1326, 0.2349,
0.3653


346.6821, 0.2743,
0.3470

 27.6419, 0.2250,
0.3699


 75.3654, 0.2493,
0.3586

 18.0559, 0.2122,
0.3758

 98.8763, 0.2547,
0.3561

 10.9901, 0.1952,
0.3837

 126.8295, 0.2592,
0.3540

 6.0602, 0.1717,
0.3946

 159.6092, 0.2631,
0.3522

 2.8817, 0.1373,
0.4103

 197.5999, 0.2665,
0.3506

 1.0703, 0.0000,
0.4745

241.1861, 0.2694,

 0.0000, 0.0000,

0.3492

0.0000

290.7520, 0.2720,
0.3480

■ 40.1326, 0.2349,
0.3653

■ 40.1326, 0.2349,
0.3653

■ 40.1209, 0.2349,
0.3656

■ 40.3622, 0.2354,
0.3613

■ 40.7350, 0.2375,
0.3573

■ 41.2974, 0.2413,
0.3533

■ 42.0740, 0.2471,
0.3494

■ 43.0859, 0.2548,
0.3455

■ 44.3516, 0.2641,
0.3417

■ 45.8877, 0.2749,
0.3381

■ 47.7093, 0.2870,
0.3348

■ 49.8307, 0.3000,
0.3317

Harmonies

Analogous

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



40.1326, 0.2895, 0.4265



40.1326, 0.2349, 0.3653



40.1326, 0.2029, 0.2981

Triad

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



40.1326, 0.2349, 0.3653



40.1326, 0.2624, 0.2307



40.1326, 0.4419, 0.3898

Complementary

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



40.1326, 0.2349, 0.3653



11.1656, 0.6249, 0.3222

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.



40.1326, 0.4363, 0.3398



40.1326, 0.2349, 0.3653



40.1326, 0.3259, 0.2533

Square

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



40.1326, 0.2349, 0.3653



40.1326, 0.2177, 0.2286



40.1326, 0.3920, 0.2919



40.1326, 0.4100, 0.4322

Rectangle

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



40.1326, 0.2349, 0.3653



40.1326, 0.1963, 0.2634



40.1326, 0.3920, 0.2919



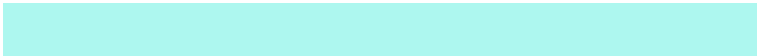
40.1326, 0.4446, 0.3734

Sweetspot

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



40.1341, 0.2349, 0.3653



81.8537, 0.2737, 0.3385



37.4507, 0.3030, 0.5972



17.7083, 0.2689, 0.3400



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.



40.1341, 0.2349, 0.3653



71.8334, 0.2351, 0.3662



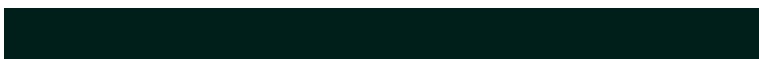
16.7857, 0.1887, 0.1989



10.7900, 0.3000, 0.3317



26.3747, 0.2347, 0.3650



1.0386, 0.2321, 0.3555

Inverse Universe

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



11.1656, 0.6249, 0.3222



19.9249, 0.6285, 0.3236



15.9726, 0.5731, 0.3824



9.5539, 0.3271, 0.3264



7.3240, 0.6241, 0.3211



0.2929, 0.5762, 0.2948

Previews

White Background



This preview shows how the Yxy color 40.1326, 0.2349, 0.3653 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 40.1326, 0.2349, 0.3653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

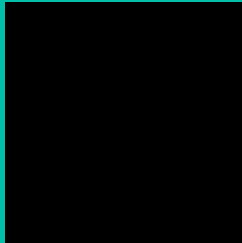
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

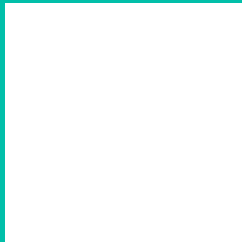
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.1326, 0.2349, 0.3653

Background



This preview shows how black text looks on a background with the Yxy color 40.1326, 0.2349, 0.3653.

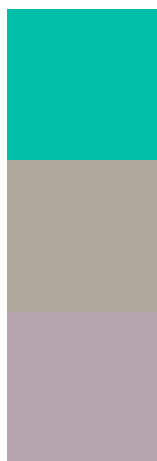


This preview shows how white text looks on a background with the Yxy color 40.1326, 0.2349, 0.3653.

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

40.1326, 0.2349, 0.3653

Protanopia

39.5195, 0.3297, 0.3458

Deuteranopia

39.5911, 0.3200, 0.3143



Tritanopia

40.0130, 0.2248, 0.3058

Trichromacy



Original Color

40.1326, 0.2349, 0.3653



Protanomaly

37.0686, 0.2726, 0.3528



Deuteranomaly

37.0022, 0.2668, 0.3304



Tritanomaly

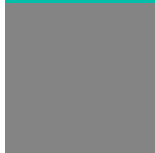
39.9476, 0.2274, 0.3272

Monochromacy



Original Color

40.1326, 0.2349, 0.3653



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.7116, 0.2593, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1326, 0.2349, 0.3653 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, 191, 169)` looks like.

```
.text, #text, p{  
    color:rgb(1, 191, 169)  
}
```

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, 191, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 191, 169) }
```

Border

The CSS property to change the border of an element to Yxy 40.1326, 0.2349, 0.3653 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, 191, 169) }
```

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

```
.border{ border-color:rgb(1, 191, 169) }
```

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

Here you see how a box with a 4 pixel rgb(1, 191, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 191, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 191, 169);  
box-shadow:4px 4px 4px 4px rgb(1, 191,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1326, 0.2349, 0.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 191, 169) }
```

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

```
.background{ background-color: rgb(1, 191,  
169) }
```

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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