

Converting Colors

$Y_{xy}(40.4976, 0.2317, 0.3542)$

Have a look what the booklet for
Yxy(40.4976, 0.2317, 0.3542)
contains.

Yxy(40.3962, 0.2315, 0.3533)	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(40.3962, 0.2315, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	00BFB0
RGB	0, 191, 176
RGB Percent	0%, 75%, 69%
CMY	0.9987, 0.2510, 0.3098
CMYK	1.00, 0.00, 0.08, 0.25
HSL	175°, 100%, 38%
HSV	175°, 100%, 75%
XYZ	26.4696, 40.3962, 47.4738
YIQ	132.1810, -109.0210, -45.1570

Conversions

Conversions Part 2

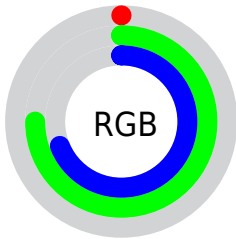
Format	Color
RYB	0, 99, 191
Decimal	49072
CIELab	69.75, -43.10, -3.81
CIELCh	70, 43.266, 185.053
Yxy	40.3962, 0.2315, 0.3533
Android (android.graphics.Color)	4278239152 (0xFF00BFB0)
YUV	132.1810, 21.6028, -115.9227
Hunter-Lab	63.5580, -36.8877, 0.2047

Details

The Yxy color **40.3962, 0.2315, 0.3533** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.1188, 0.6315, 0.3254**, and the grayscale version is **23.1301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7277, 0.2461, 0.3484**, and **19.3466, 0.2327, 0.3578** is the 20% darker color. If you saturate the color by 10%, you get **40.3946, 0.2315, 0.3533**, and if you desaturate by 10%, it is **40.5982, 0.2323, 0.3507**.

Distribution



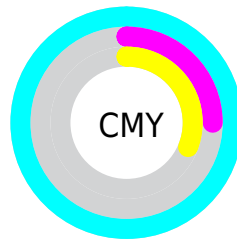
- Red (0%)
- Green (75%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3962, 0.2315, 0.3533 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 40.3962, 0.2315, 0.3533 by changing the saturation by 10% instead.


 40.3962, 0.2315,
0.3533


 40.3962, 0.2315,
0.3533


347.7907, 0.2723,
0.3416

 27.8476, 0.2213,
0.3561


 75.7665, 0.2463,
0.3492


 18.2108, 0.2083,
0.3595


 99.3569, 0.2519,
0.3476

 11.1014, 0.1911,
0.3638


 127.3967, 0.2566,
0.3462

 6.1351, 0.1675,
0.3693

 160.2704, 0.2607,
0.3450

 2.9274, 0.1336,
0.3761

 198.3622, 0.2642,
0.3440

 1.0940, 0.0000,
0.4177

242.0566, 0.2672,

 0.0000, 0.0000,

0.3431

0.0000

291.7379, 0.2699,
0.3423

■ 40.3962, 0.2315,
0.3533

■ 40.3962, 0.2315,
0.3533

■ 40.3946, 0.2315,
0.3533

■ 40.5982, 0.2323,
0.3507

■ 40.9381, 0.2345,
0.3480

■ 41.4655, 0.2386,
0.3454

■ 42.2054, 0.2446,
0.3427

■ 43.1789, 0.2524,
0.3402

■ 44.4045, 0.2619,
0.3376

■ 45.8990, 0.2730,
0.3352

■ 47.6776, 0.2854,
0.3330

■ 49.7545, 0.2988,
0.3309

Harmonies

Analogous

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



40.3962, 0.2814, 0.4146



40.3962, 0.2315, 0.3533



40.3962, 0.2044, 0.2909

Triad

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



40.3962, 0.2315, 0.3533



40.3962, 0.2732, 0.2365



40.3962, 0.4341, 0.3952

Complementary

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



40.3962, 0.2315, 0.3533



11.1188, 0.6315, 0.3254

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.



40.3962, 0.4346, 0.3475



40.3962, 0.2315, 0.3533



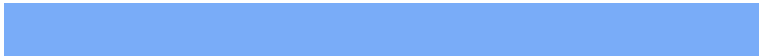
40.3962, 0.3358, 0.2611

Square

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



40.3962, 0.2315, 0.3533



40.3962, 0.2266, 0.2312



40.3962, 0.3974, 0.3003



40.3962, 0.3991, 0.4332

Rectangle

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



40.3962, 0.2315, 0.3533



40.3962, 0.2006, 0.2599



40.3962, 0.3974, 0.3003



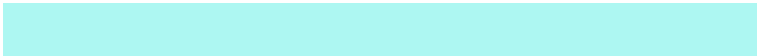
40.3962, 0.4386, 0.3798

Sweetspot

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



40.3977, 0.2315, 0.3533



82.0181, 0.2723, 0.3354



37.3740, 0.3018, 0.5984



17.7492, 0.2674, 0.3364



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.



40.3977, 0.2315, 0.3533



72.3310, 0.2316, 0.3538



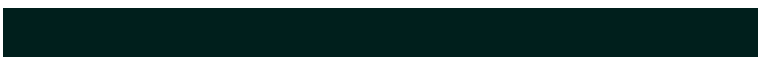
15.2537, 0.1851, 0.1864



10.7962, 0.2995, 0.3308



26.5526, 0.2314, 0.3530



1.0440, 0.2296, 0.3467

Inverse Universe

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



11.1188, 0.6315, 0.3254



19.8865, 0.6336, 0.3264



16.7814, 0.5649, 0.3895



9.5482, 0.3276, 0.3272



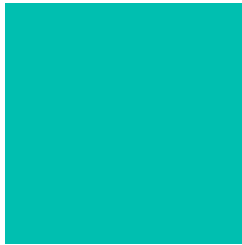
7.3069, 0.6301, 0.3245



0.2904, 0.5948, 0.3050

Previews

White Background



This preview shows how the Yxy color 40.3962, 0.2315, 0.3533 looks on a white background.

Color Contrast Check

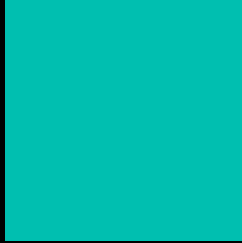
Large Text (above 18pt) WCAG AA × Fail

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 40.3962, 0.2315, 0.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

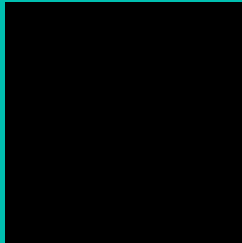
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

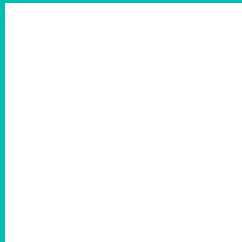
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.3962, 0.2315, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 40.3962, 0.2315, 0.3533.

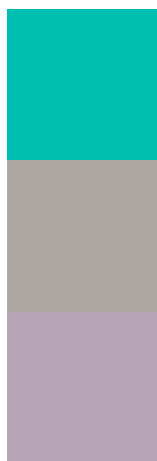


This preview shows how white text looks on a background with the Yxy color 40.3962, 0.2315, 0.3533.

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

40.3962, 0.2315, 0.3533

Protanopia

39.6483, 0.3226, 0.3360

Deuteranopia

39.6316, 0.3120, 0.3050



Tritanopia

40.3858, 0.2238, 0.3058

Trichromacy



Original Color

40.3962, 0.2315, 0.3533



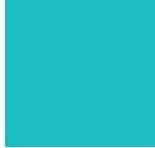
Protanomaly

37.2573, 0.2672, 0.3415



Deuteranomaly

37.2122, 0.2615, 0.3197



Tritanomaly

40.0779, 0.2251, 0.3209

Monochromacy



Original Color

40.3962, 0.2315, 0.3533



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 40.3962, 0.2315, 0.3533 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, 191, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 176)  
}
```

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, 191, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 176) }
```

Border

The CSS property to change the border of an element to Yxy 40.3962, 0.2315, 0.3533 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, 191, 176) }
```

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

```
.border{ border-color:rgb(0, 191, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3962, 0.2315, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 176) }
```

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

```
.background{ background-color: rgb(0, 191,  
176) }
```

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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