

Converting Colors

$Y_{xy}(40.8985, 0.2259, 0.3332)$

Have a look what the booklet for
Yxy(40.8985, 0.2259, 0.3332)
contains.

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Color

Yxy(40.8924, 0.2260, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	00BFBC
RGB	0, 191, 188
RGB Percent	0%, 75%, 74%
CMY	0.9986, 0.2510, 0.2627
CMYK	1.00, 0.00, 0.02, 0.25
HSL	179°, 100%, 38%
HSV	179°, 100%, 75%
XYZ	27.7112, 40.8924, 54.0123
YIQ	133.5490, -112.8730, -41.4250

Conversions

Conversions Part 2

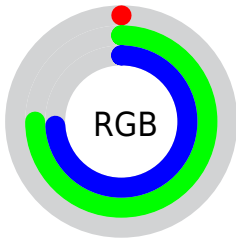
Format	Color
RYB	0, 96, 191
Decimal	49084
CIELab	70.10, -39.58, -9.87
CIELCh	70, 40.791, 194.007
Yxy	40.8924, 0.2260, 0.3335
Android (android.graphics.Color)	4278239164 (0xFF00BFBC)
YUV	133.5490, 26.8443, -117.1225
Hunter-Lab	63.9472, -34.5554, -5.3157

Details

The Yxy color **40.8924, 0.2260, 0.3335** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.0909, 0.6382, 0.3291**, and the grayscale version is **23.6368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4912, 0.2415, 0.3336**, and **19.6406, 0.2259, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **40.8914, 0.2260, 0.3335**, and if you desaturate by 10%, it is **41.0476, 0.2273, 0.3330**.

Distribution



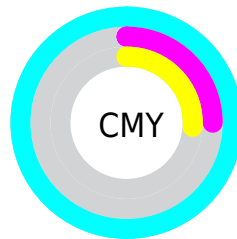
- Red (0%)
- Green (75%)
- Blue (74%)



- Red (0%)
- Yellow (38%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8924, 0.2260, 0.3335 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 40.8924, 0.2260, 0.3335 by changing the saturation by 10% instead.


 40.8924, 0.2260,
0.3335


 40.8924, 0.2260,
0.3335


349.8707, 0.2691,
0.3325


 28.2350, 0.2154,
0.3334


 76.5205, 0.2415,
0.3334


 18.5029, 0.2020,
0.3329


 100.2601, 0.2474,
0.3333


 11.3116, 0.1845,
0.3318


 128.4624, 0.2524,
0.3332

 6.2769, 0.1608,
0.3295

 161.5120, 0.2567,
0.3330

 3.0141, 0.1276,
0.3239

 199.7933, 0.2604,
0.3329

 1.1391, 0.0277,
0.3269

243.6905, 0.2637,

 0.0111, 0.0000,

0.3327

0.0156

293.5882, 0.2665,
0.3326

■ 0.0000, 0.0000,
0.0000

■ 40.8924, 0.2260,
0.3335

■ 40.8924, 0.2260,
0.3335

■ 40.8914, 0.2260,
0.3335

■ 41.0476, 0.2273,
0.3330

■ 41.3401, 0.2300,
0.3325

■ 41.8196, 0.2344,
0.3320

■ 42.5109, 0.2408,
0.3315

■ 43.4351, 0.2491,
0.3310

■ 44.6109, 0.2591,
0.3306

■ 46.0549, 0.2708,
0.3301

■ 47.7825, 0.2838,
0.3297

■ 49.8076, 0.2980,
0.3293

Harmonies

Analogous

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



40.8924, 0.2677, 0.3937



40.8924, 0.2260, 0.3335



40.8924, 0.2073, 0.2792

Triad

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



40.8924, 0.2260, 0.3335



40.8924, 0.2922, 0.2466



40.8924, 0.4203, 0.4043

Complementary

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



40.8924, 0.2260, 0.3335



11.0909, 0.6382, 0.3291

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.



40.8924, 0.4310, 0.3609



40.8924, 0.2260, 0.3335



40.8924, 0.3529, 0.2747

Square

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



40.8924, 0.2260, 0.3335



40.8924, 0.2425, 0.2358



40.8924, 0.4059, 0.3151



40.8924, 0.3801, 0.4336

Rectangle

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



40.8924, 0.2260, 0.3335



40.8924, 0.2085, 0.2544



40.8924, 0.4059, 0.3151



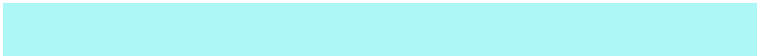
40.8924, 0.4276, 0.3907

Sweetspot

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



40.8939, 0.2260, 0.3335



82.3018, 0.2700, 0.3302



37.2841, 0.3003, 0.5996



17.8201, 0.2648, 0.3304



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.



40.8939, 0.2260, 0.3335



73.2353, 0.2260, 0.3336



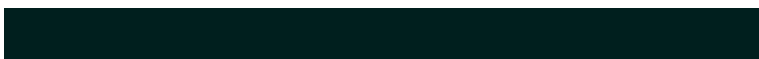
12.6591, 0.1787, 0.1633



10.8069, 0.2987, 0.3293



26.8753, 0.2260, 0.3334



1.0536, 0.2256, 0.3322

Inverse Universe

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



11.0909, 0.6382, 0.3291



19.8464, 0.6389, 0.3293



18.8172, 0.5456, 0.4048



9.5387, 0.3286, 0.3287



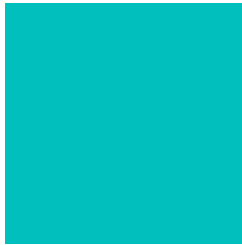
7.2847, 0.6381, 0.3289



0.2862, 0.6303, 0.3246

Previews

White Background



This preview shows how the Yxy color 40.8924, 0.2260, 0.3335 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 40.8924, 0.2260, 0.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

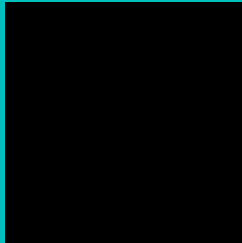
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8924, 0.2260, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 40.8924, 0.2260, 0.3335.

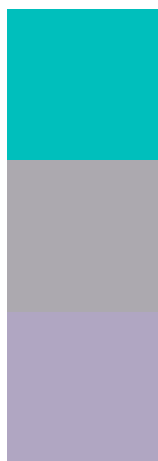


This preview shows how white text looks on a background with the Yxy color 40.8924, 0.2260, 0.3335.

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

40.8924, 0.2260, 0.3335

Protanopia

40.2417, 0.3104, 0.3208

Deuteranopia

40.3976, 0.2984, 0.2920



Tritanopia

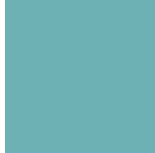
41.1481, 0.2220, 0.3059

Trichromacy



Original Color

40.8924, 0.2260, 0.3335



Protanomaly

38.0546, 0.2589, 0.3242



Deuteranomaly

37.9105, 0.2523, 0.3034



Tritanomaly

41.0983, 0.2231, 0.3164

Monochromacy



Original Color

40.8924, 0.2260, 0.3335



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.7071, 0.2542, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8924, 0.2260, 0.3335 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 188) }
```

Border

The CSS property to change the border of an element to Yxy 40.8924, 0.2260, 0.3335 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, 188) }
```

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

```
.border{ border-color:rgb(0, 191, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8924, 0.2260, 0.3335 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, 188) }
```

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

```
.background{ background-color: rgb(0, 191,  
188) }
```

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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