

Converting Colors

$Y_{xy}(38.2285, 0.2313, 0.3661)$

Have a look what the booklet for
Yxy(38.2285, 0.2313, 0.3661)
contains.

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Color

Yxy(38.7196, 0.2350, 0.3659)

Conversions

Conversions Part 1

Format	Color
Hex	00BCA6
RGB	0, 188, 166
RGB Percent	0%, 74%, 65%
CMY	0.9988, 0.2627, 0.3491
CMYK	1.00, 0.00, 0.12, 0.26
HSL	173°, 100%, 37%
HSV	173°, 100%, 74%
XYZ	24.8677, 38.7196, 42.2328
YIQ	129.2800, -104.9860, -46.6980

Conversions

Conversions Part 2

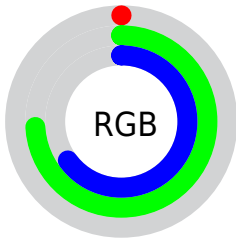
Format	Color
RYB	0, 100, 188
Decimal	48294
CIELab	68.55, -44.64, -0.08
CIELCh	69, 44.636, 180.109
Yxy	38.7196, 0.2350, 0.3659
Android (android.graphics.Color)	4278238374 (0xFF00BCA6)
YUV	129.2800, 18.1030, -113.3786
Hunter-Lab	62.2251, -37.5578, 3.3168

Details

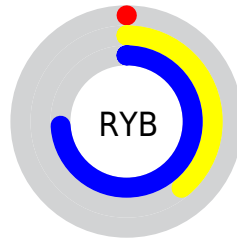
The Yxy color **38.7196, 0.2350, 0.3659** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.7572, 0.6255, 0.3221**, and the grayscale version is **22.0525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1779, 0.2494, 0.3589**, and **18.2651, 0.2376, 0.3753** is the 20% darker color. If you saturate the color by 10%, you get **38.7178, 0.2350, 0.3660**, and if you desaturate by 10%, it is **38.9402, 0.2355, 0.3619**.

Distribution



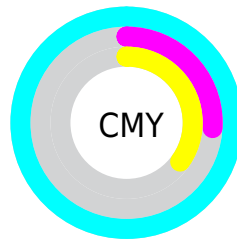
- Red (0%)
- Green (74%)
- Blue (65%)



- Red (0%)
- Yellow (39%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7196, 0.2350, 0.3659 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 38.7196, 0.2350, 0.3659 by changing the saturation by 10% instead.

 38.7196, 0.2350,
0.3659


 38.7196, 0.2350,
0.3659


340.6969, 0.2746,
0.3471

 26.5417, 0.2249,
0.3707


 73.2098, 0.2495,
0.3590

 17.2293, 0.2120,
0.3768


 96.2908, 0.2550,
0.3564

 10.3981, 0.1946,
0.3850


 123.7750, 0.2595,
0.3543

 5.6637, 0.1704,
0.3965

 156.0467, 0.2634,
0.3524

 2.6417, 0.1349,
0.4132

 193.4903, 0.2668,
0.3508

 0.9477, 0.0000,
0.4772

236.4903, 0.2697,

 0.0000, 0.0000,

0.3494

0.0000

285.4310, 0.2723,
0.3482

■ 38.7196, 0.2350,
0.3659

■ 38.7196, 0.2350,
0.3659

■ 38.7178, 0.2350,
0.3660

■ 38.9402, 0.2355,
0.3619

■ 39.2940, 0.2374,
0.3579

■ 39.8294, 0.2412,
0.3538

■ 40.5703, 0.2469,
0.3498

■ 41.5371, 0.2545,
0.3458

■ 42.7477, 0.2637,
0.3420

■ 44.2180, 0.2745,
0.3384

■ 45.9628, 0.2865,
0.3350

■ 47.9956, 0.2994,
0.3318

Harmonies

Analogous

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



38.7196, 0.2899, 0.4271



38.7196, 0.2350, 0.3659



38.7196, 0.2027, 0.2984

Triad

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



38.7196, 0.2350, 0.3659



38.7196, 0.2619, 0.2304



38.7196, 0.4423, 0.3896

Complementary

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



38.7196, 0.2350, 0.3659



10.7572, 0.6255, 0.3221

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.



38.7196, 0.4364, 0.3395



38.7196, 0.2350, 0.3659



38.7196, 0.3254, 0.2529

Square

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



38.7196, 0.2350, 0.3659



38.7196, 0.2173, 0.2284



38.7196, 0.3918, 0.2914



38.7196, 0.4106, 0.4323

Rectangle

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



38.7196, 0.2350, 0.3659



38.7196, 0.1960, 0.2636



38.7196, 0.3918, 0.2914



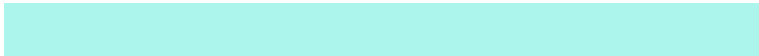
38.7196, 0.4450, 0.3731

Sweetspot

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



38.7211, 0.2350, 0.3659



79.9493, 0.2737, 0.3386



36.1780, 0.3036, 0.5971



16.9413, 0.2691, 0.3401



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.7211, 0.2350, 0.3659



70.1464, 0.2352, 0.3666



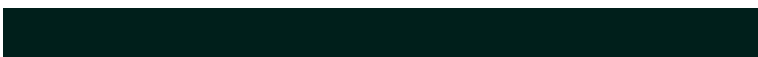
16.8692, 0.1901, 0.2043



10.7898, 0.3000, 0.3317



26.3683, 0.2349, 0.3655



1.0384, 0.2322, 0.3558

Inverse Universe

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



10.7572, 0.6255, 0.3221



19.4638, 0.6282, 0.3234



14.9640, 0.5787, 0.3785



9.5541, 0.3270, 0.3263



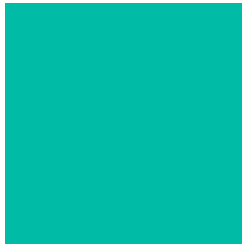
7.3247, 0.6238, 0.3210



0.2930, 0.5755, 0.2944

Previews

White Background



This preview shows how the Yxy color 38.7196, 0.2350, 0.3659 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 38.7196, 0.2350, 0.3659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

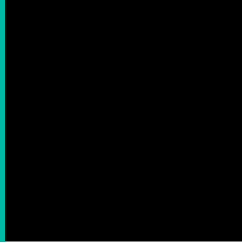
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

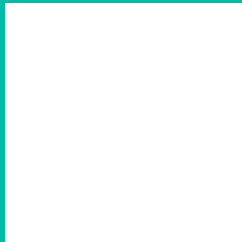
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7196, 0.2350, 0.3659

Background



This preview shows how black text looks on a background with the Yxy color 38.7196, 0.2350, 0.3659.

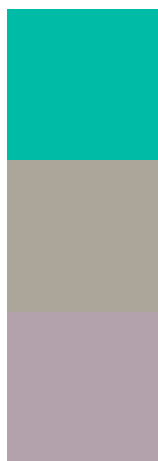


This preview shows how white text looks on a background with the Yxy color 38.7196, 0.2350, 0.3659.

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

38.7196, 0.2350, 0.3659

Protanopia

37.9808, 0.3300, 0.3460

Deuteranopia

38.0520, 0.3201, 0.3141



Tritanopia

38.6223, 0.2249, 0.3054

Trichromacy



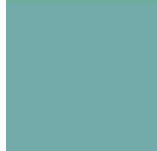
Original Color

38.7196, 0.2350, 0.3659



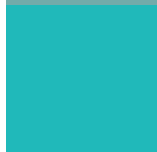
Protanomaly

35.6708, 0.2727, 0.3532



Deuteranomaly

35.6055, 0.2669, 0.3304



Tritanomaly

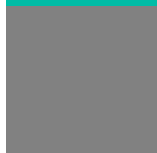
38.5502, 0.2275, 0.3271

Monochromacy



Original Color

38.7196, 0.2350, 0.3659



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.5595, 0.2592, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7196, 0.2350, 0.3659 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, 188, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 166)  
}
```

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, 188, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 166) }
```

Border

The CSS property to change the border of an element to Yxy 38.7196, 0.2350, 0.3659 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, 188, 166) }
```

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

```
.border{ border-color:rgb(0, 188, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7196, 0.2350, 0.3659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 166) }
```

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

```
.background{ background-color: rgb(0, 188,  
166) }
```

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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