

Converting Colors

$Y_{xy}(37.2557, 0.2180, 0.3722)$

Have a look what the booklet for
Yxy(37.2557, 0.2180, 0.3722)
contains.

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Color

Yxy(38.6468, 0.2360, 0.3694)

Conversions

Conversions Part 1

Format	Color
Hex	01BCA4
RGB	1, 188, 164
RGB Percent	0%, 74%, 64%
CMY	0.9974, 0.2628, 0.3568
CMYK	1.00, 0.00, 0.13, 0.26
HSL	172°, 99%, 37%
HSV	172°, 100%, 74%
XYZ	24.6904, 38.6468, 41.2832
YIQ	129.3510, -103.7480, -47.1080

Conversions

Conversions Part 2

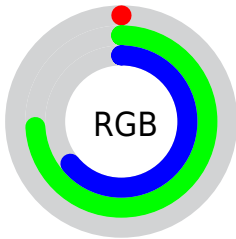
Format	Color
RYB	1, 101, 188
Decimal	113828
CIELab	68.49, -45.17, 0.93
CIELCh	68, 45.179, 178.827
Yxy	38.6468, 0.2360, 0.3694
Android (android.graphics.Color)	4278303908 (0xFF01BCA4)
YUV	129.3510, 17.0820, -112.5638
Hunter-Lab	62.1666, -37.8974, 4.1436

Details

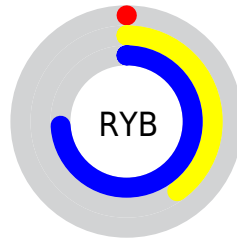
The Yxy color **38.6468, 0.2360, 0.3694** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.7735, 0.6231, 0.3210**, and the grayscale version is **22.0100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0719, 0.2503, 0.3615**, and **18.2200, 0.2390, 0.3803** is the 20% darker color. If you saturate the color by 10%, you get **38.6409, 0.2360, 0.3696**, and if you desaturate by 10%, it is **38.8749, 0.2364, 0.3650**.

Distribution



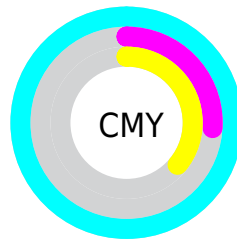
- Red (0%)
- Green (74%)
- Blue (64%)



- Red (0%)
- Yellow (40%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6468, 0.2360, 0.3694 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 38.6468, 0.2360, 0.3694 by changing the saturation by 10% instead.


 38.6468, 0.2360,
0.3694


 38.6468, 0.2360,
0.3694


340.3865, 0.2752,
0.3487


 26.4851, 0.2260,
0.3747


 73.0984, 0.2504,
0.3617

 17.1869, 0.2131,
0.3816


 96.1571, 0.2558,
0.3589

 10.3678, 0.1958,
0.3910


 123.6169, 0.2603,
0.3565

 5.6435, 0.1716,
0.4041

 155.8623, 0.2641,
0.3545

 2.6295, 0.1359,
0.4238

 193.2775, 0.2675,
0.3527

 0.9415, 0.0000,
0.4953

236.2470, 0.2704,

 0.0000, 0.0000,

0.3512

0.0000

285.1552, 0.2729,
0.3499

■ 38.6468, 0.2360,
0.3694

■ 38.6468, 0.2360,
0.3694

■ 38.6409, 0.2360,
0.3696

■ 38.8749, 0.2364,
0.3650

■ 39.2383, 0.2383,
0.3606

■ 39.7840, 0.2421,
0.3561

■ 40.5360, 0.2477,
0.3517

■ 41.5144, 0.2552,
0.3473

■ 42.7370, 0.2644,
0.3432

■ 44.2201, 0.2751,
0.3392

■ 45.9781, 0.2870,
0.3355

■ 48.0246, 0.2998,
0.3320

Harmonies

Analogous

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



38.6468, 0.2922, 0.4305



38.6468, 0.2360, 0.3694



38.6468, 0.2023, 0.3006

Triad

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



38.6468, 0.2360, 0.3694



38.6468, 0.2589, 0.2288



38.6468, 0.4445, 0.3880

Complementary

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



38.6468, 0.2360, 0.3694



10.7735, 0.6231, 0.3210

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.



38.6468, 0.4368, 0.3373



38.6468, 0.2360, 0.3694



38.6468, 0.3225, 0.2507

Square

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



38.6468, 0.2360, 0.3694



38.6468, 0.2148, 0.2277



38.6468, 0.3902, 0.2891



38.6468, 0.4136, 0.4319

Rectangle

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



38.6468, 0.2360, 0.3694



38.6468, 0.1948, 0.2646



38.6468, 0.3902, 0.2891



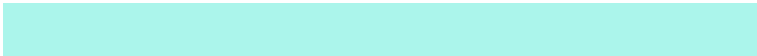
38.6468, 0.4466, 0.3713

Sweetspot

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



38.6483, 0.2360, 0.3694



79.9034, 0.2741, 0.3395



36.1797, 0.3036, 0.5969



16.9301, 0.2695, 0.3412



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.



38.6483, 0.2360, 0.3694



70.0112, 0.2362, 0.3703



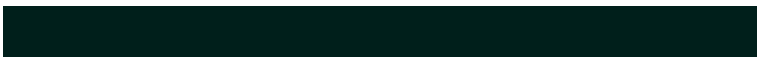
16.9012, 0.1902, 0.2046



10.7879, 0.3001, 0.3319



26.3187, 0.2358, 0.3690



1.0369, 0.2329, 0.3584

Inverse Universe

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



10.7735, 0.6231, 0.3210



19.4773, 0.6265, 0.3225



14.9914, 0.5782, 0.3787



9.5557, 0.3269, 0.3261



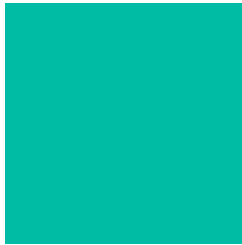
7.3306, 0.6218, 0.3199



0.2937, 0.5705, 0.2916

Previews

White Background



This preview shows how the Yxy color 38.6468, 0.2360, 0.3694 looks on a white background.

Color Contrast Check

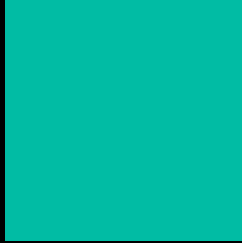
Large Text (above 18pt) WCAG AA × Fail

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 38.6468, 0.2360, 0.3694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

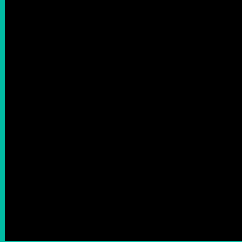
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

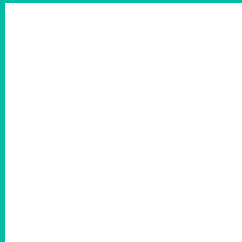
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.6468, 0.2360, 0.3694

Background



This preview shows how black text looks on a background with the Yxy color 38.6468, 0.2360, 0.3694.

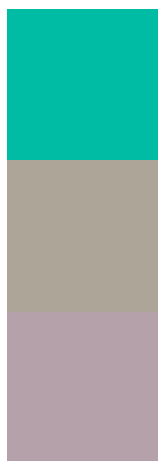


This preview shows how white text looks on a background with the Yxy color 38.6468, 0.2360, 0.3694.

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

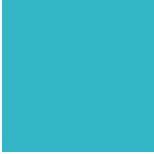
38.6532, 0.2360, 0.3694

Protanopia

37.9479, 0.3309, 0.3475

Deuteranopia

38.0953, 0.3228, 0.3168



Tritanopia

38.6480, 0.2252, 0.3055

Trichromacy



Original Color

38.6532, 0.2360, 0.3694



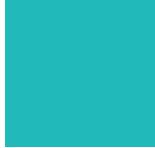
Protanomaly

35.6024, 0.2741, 0.3565



Deuteranomaly

35.5978, 0.2690, 0.3336



Tritanomaly

38.5664, 0.2277, 0.3271

Monochromacy



Original Color

38.6532, 0.2360, 0.3694



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 38.6468, 0.2360, 0.3694 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, 188, 164)` looks like.

```
.text, #text, p{  
    color:rgb(1, 188, 164)  
}
```

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, 188, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 188, 164) }
```

Border

The CSS property to change the border of an element to Yxy 38.6468, 0.2360, 0.3694 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, 188, 164) }
```

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

```
.border{ border-color:rgb(1, 188, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 188, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 188, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 188, 164);  
box-shadow:4px 4px 4px 4px rgb(1, 188,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6468, 0.2360, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 188, 164) }
```

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

```
.background{ background-color: rgb(1, 188,  
164) }
```

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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