

Converting Colors

Yxy(37.6814, 0.2257, 0.3617)

Have a look what the booklet for
Yxy(37.6814, 0.2257, 0.3617)
contains.

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Color

Yxy(38.3678, 0.2336, 0.3608)

Conversions

Conversions Part 1

Format	Color
Hex	01BBA8
RGB	1, 187, 168
RGB Percent	0%, 73%, 66%
CMY	0.9979, 0.2667, 0.3413
CMYK	1.00, 0.00, 0.10, 0.27
HSL	174°, 99%, 37%
HSV	174°, 100%, 73%
XYZ	24.8412, 38.3678, 43.1319
YIQ	129.2200, -104.7570, -45.3410

Conversions

Conversions Part 2

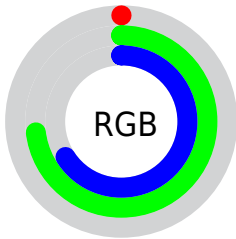
Format	Color
RYB	1, 99, 187
Decimal	113576
CIELab	68.29, -43.64, -1.56
CIELCh	68, 43.671, 182.041
Yxy	38.3678, 0.2336, 0.3608
Android (android.graphics.Color)	4278303656 (0xFF01BBA8)
YUV	129.2200, 19.1185, -112.4489
Hunter-Lab	61.9417, -36.8121, 2.0738

Details

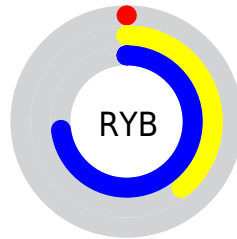
The Yxy color **38.3678, 0.2336, 0.3608** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.6248, 0.6277, 0.3234**, and the grayscale version is **21.9394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6817, 0.2483, 0.3551**, and **18.0360, 0.2356, 0.3683** is the 20% darker color. If you saturate the color by 10%, you get **38.3639, 0.2336, 0.3609**, and if you desaturate by 10%, it is **38.5782, 0.2342, 0.3574**.

Distribution



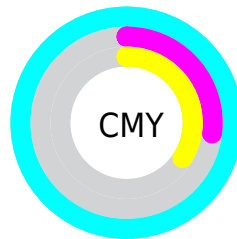
- Red (0%)
- Green (73%)
- Blue (66%)



- Red (0%)
- Yellow (39%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (27%)




- Cyan (100%)
- Magenta (27%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3678, 0.2336, 0.3608 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 38.3678, 0.2336, 0.3608 by changing the saturation by 10% instead.


 38.3678, 0.2336,
0.3608


 38.3678, 0.2336,
0.3608


339.1951, 0.2739,
0.3448


 26.2683, 0.2234,
0.3648


 72.6715, 0.2484,
0.3550

 17.0244, 0.2102,
0.3699


 95.6445, 0.2539,
0.3528

 10.2519, 0.1927,
0.3765


 123.0108, 0.2585,
0.3510

 5.5663, 0.1683,
0.3857

 155.1547, 0.2625,
0.3494

 2.5832, 0.1325,
0.3985

 192.4607, 0.2659,
0.3480

 0.9182, 0.0000,
0.4515

235.3132, 0.2689,

 0.0000, 0.0000,

0.3468

0.0000

284.0965, 0.2715,
0.3458

■ 38.3678, 0.2336,
0.3608

■ 38.3678, 0.2336,
0.3608

■ 38.3639, 0.2336,
0.3609

■ 38.5782, 0.2342,
0.3574

■ 38.9208, 0.2363,
0.3539

■ 39.4427, 0.2403,
0.3504

■ 40.1676, 0.2461,
0.3469

■ 41.1154, 0.2538,
0.3435

■ 42.3037, 0.2632,
0.3402

■ 43.7484, 0.2741,
0.3371

■ 45.4640, 0.2862,
0.3342

■ 47.4638, 0.2993,
0.3314

Harmonies

Analogous

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



38.3678, 0.2865, 0.4221



38.3678, 0.2336, 0.3608



38.3678, 0.2034, 0.2954

Triad

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



38.3678, 0.2336, 0.3608



38.3678, 0.2664, 0.2328



38.3678, 0.4390, 0.3919

Complementary

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



38.3678, 0.2336, 0.3608



10.6248, 0.6277, 0.3234

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.



38.3678, 0.4357, 0.3427



38.3678, 0.2336, 0.3608



38.3678, 0.3296, 0.2562

Square

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



38.3678, 0.2336, 0.3608



38.3678, 0.2210, 0.2295



38.3678, 0.3940, 0.2950



38.3678, 0.4060, 0.4327

Rectangle

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



38.3678, 0.2336, 0.3608



38.3678, 0.1978, 0.2621



38.3678, 0.3940, 0.2950



38.3678, 0.4424, 0.3758

Sweetspot

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



38.3693, 0.2336, 0.3608



78.1408, 0.2732, 0.3373



35.7144, 0.3029, 0.5974



16.9572, 0.2685, 0.3386



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.



38.3693, 0.2336, 0.3608



68.6913, 0.2337, 0.3614



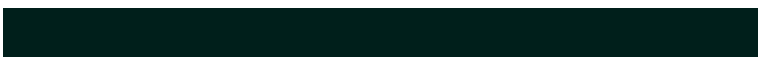
15.9708, 0.1886, 0.1986



10.7923, 0.2998, 0.3313



26.4401, 0.2335, 0.3605



1.0406, 0.2312, 0.3522

Inverse Universe

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



10.6248, 0.6277, 0.3234



18.9904, 0.6305, 0.3247



15.2012, 0.5738, 0.3823



9.5518, 0.3273, 0.3267



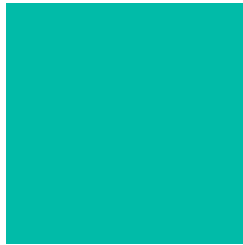
7.3170, 0.6265, 0.3225



0.2920, 0.5830, 0.2985

Previews

White Background



This preview shows how the Yxy color 38.3678, 0.2336, 0.3608 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 38.3678, 0.2336, 0.3608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

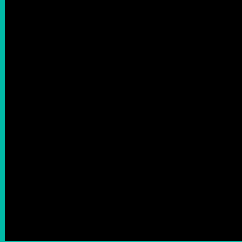
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

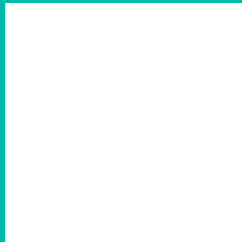
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.3678, 0.2336, 0.3608

Background



This preview shows how black text looks on a background with the Yxy color 38.3678, 0.2336, 0.3608.

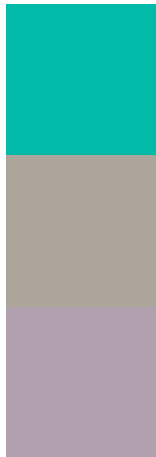


This preview shows how white text looks on a background with the Yxy color 38.3678, 0.2336, 0.3608.

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

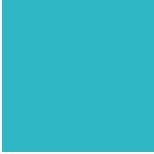
38.3743, 0.2336, 0.3608

Protanopia

37.9348, 0.3272, 0.3432

Deuteranopia

37.5447, 0.3165, 0.3099



Tritanopia

38.5726, 0.2244, 0.3054

Trichromacy



Original Color

38.3743, 0.2336, 0.3608



Protanomaly

35.6764, 0.2706, 0.3499



Deuteranomaly

35.2387, 0.2646, 0.3257



Tritanomaly

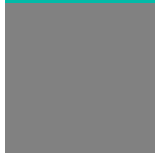
38.1601, 0.2264, 0.3239

Monochromacy



Original Color

38.3743, 0.2336, 0.3608



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.5897, 0.2585, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3678, 0.2336, 0.3608 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, 187, 168)` looks like.

```
.text, #text, p{  
    color:rgb(1, 187, 168)  
}
```

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, 187, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 187, 168) }
```

Border

The CSS property to change the border of an element to Yxy 38.3678, 0.2336, 0.3608 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, 187, 168) }
```

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

```
.border{ border-color:rgb(1, 187, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 187, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 187, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 187, 168);  
box-shadow:4px 4px 4px 4px rgb(1, 187,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3678, 0.2336, 0.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 187, 168) }
```

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

```
.background{ background-color: rgb(1, 187,  
168) }
```

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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