

Converting Colors

$Yxy(38.3017, 0.2295, 0.3462)$

Have a look what the booklet for
Yxy(38.3017, 0.2295, 0.3462)
contains.

Yxy(38.2524, 0.2293, 0.3453)	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(38.2524, 0.2293, 0.3453)

Conversions

Conversions Part 1

Format	Color
Hex	01BAB0
RGB	1, 186, 176
RGB Percent	0%, 73%, 69%
CMY	0.9976, 0.2706, 0.3097
CMYK	1.00, 0.00, 0.05, 0.27
HSL	177°, 99%, 37%
HSV	177°, 100%, 73%
XYZ	25.4019, 38.2524, 47.1259
YIQ	129.5450, -107.0500, -42.3300

Conversions

Conversions Part 2

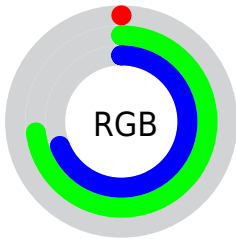
Format	Color
RYB	1, 96, 186
Decimal	113328
CIELab	68.21, -40.89, -6.10
CIELCh	68, 41.344, 188.487
Yxy	38.2524, 0.2293, 0.3453
Android (android.graphics.Color)	4278303408 (0xFF01BAB0)
YUV	129.5450, 22.9023, -112.7340
Hunter-Lab	61.8485, -34.9229, -1.8824

Details

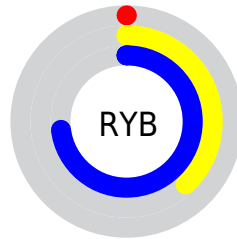
The Yxy color **38.2524, 0.2293, 0.3453** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.4749, 0.6339, 0.3269**, and the grayscale version is **22.0571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6367, 0.2445, 0.3424**, and **17.9578, 0.2297, 0.3470** is the 20% darker color. If you saturate the color by 10%, you get **38.2485, 0.2293, 0.3454**, and if you desaturate by 10%, it is **38.4303, 0.2304, 0.3436**.

Distribution



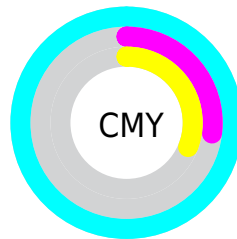
- Red (0%)
- Green (73%)
- Blue (69%)



- Red (0%)
- Yellow (38%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2524, 0.2293, 0.3453 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 38.2524, 0.2293, 0.3453 by changing the saturation by 10% instead.


 38.2524, 0.2293,
0.3453


 38.2524, 0.2293,
0.3453


338.7015, 0.2714,
0.3378


 26.1786, 0.2187,
0.3469


 72.4948, 0.2447,
0.3428


 16.9573, 0.2052,
0.3488


 95.4323, 0.2504,
0.3418


 10.2041, 0.1873,
0.3509


 122.7598, 0.2553,
0.3409

 5.5345, 0.1626,
0.3531

 154.8617, 0.2595,
0.3401

 2.5641, 0.1271,
0.3544

 192.1224, 0.2631,
0.3395

 0.9087, 0.0000,
0.3788

234.9264, 0.2662,

 0.0000, 0.0000,

0.3389

0.0000

283.6579, 0.2690,
0.3383

■ 38.2524, 0.2293,
0.3453

■ 38.2524, 0.2293,
0.3453

■ 38.2485, 0.2293,
0.3454

■ 38.4303, 0.2304,
0.3436

■ 38.7383, 0.2328,
0.3418

■ 39.2229, 0.2371,
0.3400

■ 39.9073, 0.2432,
0.3382

■ 40.8112, 0.2513,
0.3365

■ 41.9519, 0.2611,
0.3348

■ 43.3450, 0.2724,
0.3332

■ 45.0050, 0.2851,
0.3317

■ 46.9448, 0.2988,
0.3303

Harmonies

Analogous

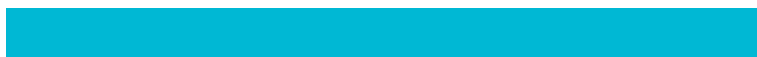
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.2524, 0.2759, 0.4063



38.2524, 0.2293, 0.3453



38.2524, 0.2055, 0.2862

Triad

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



38.2524, 0.2293, 0.3453



38.2524, 0.2807, 0.2405



38.2524, 0.4286, 0.3989

Complementary

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



38.2524, 0.2293, 0.3453



10.4749, 0.6339, 0.3269

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.



38.2524, 0.4332, 0.3528



38.2524, 0.2293, 0.3453



38.2524, 0.3426, 0.2665

Square

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



38.2524, 0.2293, 0.3453



38.2524, 0.2328, 0.2330



38.2524, 0.4008, 0.3061



38.2524, 0.3916, 0.4335

Rectangle

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



38.2524, 0.2293, 0.3453



38.2524, 0.2037, 0.2577



38.2524, 0.4008, 0.3061



38.2524, 0.4343, 0.3841

Sweetspot

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



38.2538, 0.2293, 0.3453



78.3449, 0.2714, 0.3333



35.2014, 0.3014, 0.5986



17.0082, 0.2665, 0.3340



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.



38.2538, 0.2293, 0.3453



69.3221, 0.2294, 0.3456



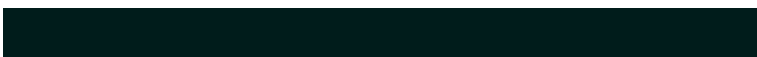
13.7879, 0.1837, 0.1811



10.2021, 0.2992, 0.3302



25.7383, 0.2292, 0.3451



0.9099, 0.2279, 0.3406

Inverse Universe

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



10.4749, 0.6339, 0.3269



18.9507, 0.6360, 0.3277



16.3167, 0.5594, 0.3936



9.0198, 0.3279, 0.3278



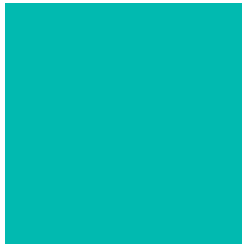
7.0415, 0.6331, 0.3261



0.2509, 0.6065, 0.3115

Previews

White Background



This preview shows how the Yxy color 38.2524, 0.2293, 0.3453 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 38.2524, 0.2293, 0.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

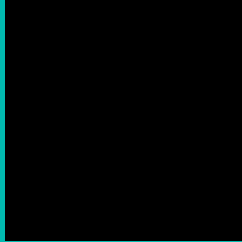
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

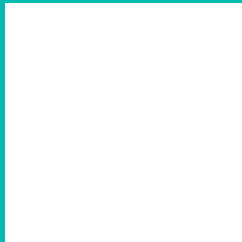
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.2524, 0.2293, 0.3453

Background



This preview shows how black text looks on a background with the Yxy color 38.2524, 0.2293, 0.3453.

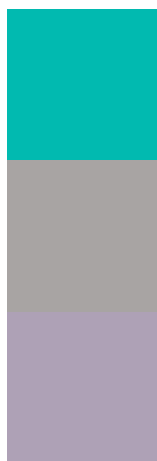


This preview shows how white text looks on a background with the Yxy color 38.2524, 0.2293, 0.3453.

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

38.2589, 0.2293, 0.3453

Protanopia

37.5201, 0.3174, 0.3304

Deuteranopia

37.8658, 0.3066, 0.3004



Tritanopia

38.4364, 0.2231, 0.3053

Trichromacy



Original Color

38.2589, 0.2293, 0.3453



Protanomaly

35.4580, 0.2636, 0.3353



Deuteranomaly

35.4242, 0.2580, 0.3133



Tritanomaly

38.2317, 0.2244, 0.3191

Monochromacy



Original Color

38.2589, 0.2293, 0.3453



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.6819, 0.2563, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2524, 0.2293, 0.3453 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, 186, 176)` looks like.

```
.text, #text, p{  
    color:rgb(1, 186, 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(1, 186, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 186, 176) }
```

Border

The CSS property to change the border of an element to Yxy 38.2524, 0.2293, 0.3453 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, 186, 176) }
```

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

```
.border{ border-color:rgb(1, 186, 176) }
```

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

Here you see how a box with a 4 pixel rgb(1, 186, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 186, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 186, 176);  
box-shadow:4px 4px 4px 4px rgb(1, 186,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2524, 0.2293, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 186, 176) }
```

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

```
.background{ background-color: rgb(1, 186,  
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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