

Converting Colors

$Yxy(33.6514, 0.1685, 0.3886)$

Have a look what the booklet for
Yxy(33.6514, 0.1685, 0.3886)
contains.

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Color

Yxy(38.4696, 0.2385, 0.3784)

Conversions

Conversions Part 1

Format	Color
Hex	01BC9F
RGB	1, 188, 159
RGB Percent	0%, 74%, 62%
CMY	0.9975, 0.2628, 0.3765
CMYK	1.00, 0.00, 0.15, 0.26
HSL	171°, 99%, 37%
HSV	171°, 100%, 74%
XYZ	24.2468, 38.4696, 38.9474
YIQ	128.7810, -102.1430, -48.6630

Conversions

Conversions Part 2

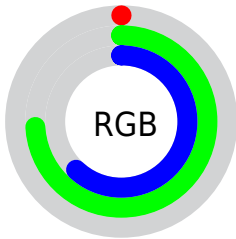
Format	Color
RYB	1, 102, 188
Decimal	113823
CIELab	68.37, -46.53, 3.49
CIELCh	68, 46.665, 175.717
Yxy	38.4696, 0.2385, 0.3784
Android (android.graphics.Color)	4278303903 (0xFF01BC9F)
YUV	128.7810, 14.8980, -112.0639
Hunter-Lab	62.0239, -38.7612, 6.1860

Details

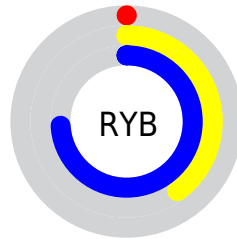
The Yxy color **38.4696, 0.2385, 0.3784** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.7965, 0.6177, 0.3180**, and the grayscale version is **21.8056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8125, 0.2525, 0.3681**, and **18.1329, 0.2418, 0.3903** is the 20% darker color. If you saturate the color by 10%, you get **38.4634, 0.2385, 0.3786**, and if you desaturate by 10%, it is **38.7121, 0.2387, 0.3730**.

Distribution



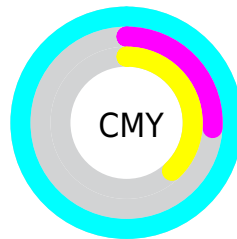
- Red (0%)
- Green (74%)
- Blue (62%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4696, 0.2385, 0.3784 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 38.4696, 0.2385, 0.3784 by changing the saturation by 10% instead.


 38.4696, 0.2385,
0.3784


 38.4696, 0.2385,
0.3784


339.6302, 0.2767,
0.3526

 26.3474, 0.2287,
0.3852


 72.8273, 0.2526,
0.3688


 17.0837, 0.2159,
0.3941


 95.8316, 0.2578,
0.3652


 10.2942, 0.1988,
0.4063


 123.2321, 0.2622,
0.3623

 5.5944, 0.1746,
0.4240

 155.4130, 0.2660,
0.3598

 2.6001, 0.1384,
0.4517

 192.7589, 0.2692,
0.3576

 0.9267, 0.0000,
0.5479

235.6542, 0.2720,

 0.0000, 0.0000,

0.3557

0.0000

284.4831, 0.2745,
0.3541

■ 38.4696, 0.2385,
0.3784

■ 38.4696, 0.2385,
0.3784

■ 38.4634, 0.2385,
0.3786

■ 38.7121, 0.2387,
0.3730

■ 39.0905, 0.2404,
0.3675

■ 39.6519, 0.2439,
0.3620

■ 40.4203, 0.2494,
0.3566

■ 41.4159, 0.2567,
0.3513

■ 42.6565, 0.2657,
0.3462

■ 44.1583, 0.2761,
0.3414

■ 45.9357, 0.2876,
0.3369

■ 48.0026, 0.3001,
0.3327

Harmonies

Analogous

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



38.4696, 0.2981, 0.4390



38.4696, 0.2385, 0.3784



38.4696, 0.2012, 0.3061

Triad

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



38.4696, 0.2385, 0.3784



38.4696, 0.2513, 0.2247



38.4696, 0.4500, 0.3840

Complementary

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



38.4696, 0.2385, 0.3784



10.7965, 0.6177, 0.3180

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.



38.4696, 0.4378, 0.3318



38.4696, 0.2385, 0.3784



38.4696, 0.3153, 0.2452

Square

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



38.4696, 0.2385, 0.3784



38.4696, 0.2086, 0.2259



38.4696, 0.3861, 0.2830



38.4696, 0.4215, 0.4309

Rectangle

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



38.4696, 0.2385, 0.3784



38.4696, 0.1917, 0.2673



38.4696, 0.3861, 0.2830



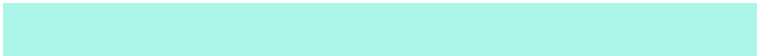
38.4696, 0.4508, 0.3667

Sweetspot

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



38.4711, 0.2385, 0.3784



79.7903, 0.2751, 0.3418



36.2701, 0.3051, 0.5957



16.9026, 0.2706, 0.3438



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.



38.4711, 0.2385, 0.3784



69.6847, 0.2387, 0.3795



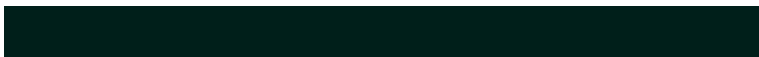
18.4402, 0.1935, 0.2165



10.7835, 0.3005, 0.3326



26.1988, 0.2383, 0.3779



1.0332, 0.2347, 0.3649

Inverse Universe

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



10.7965, 0.6177, 0.3180



19.5157, 0.6215, 0.3197



14.2576, 0.5871, 0.3716



9.5598, 0.3265, 0.3255



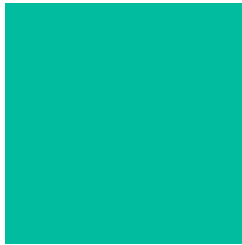
7.3472, 0.6162, 0.3168



0.2955, 0.5583, 0.2849

Previews

White Background



This preview shows how the Yxy color 38.4696, 0.2385, 0.3784 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 38.4696, 0.2385, 0.3784 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 38.4696, 0.2385, 0.3784

Background



This preview shows how black text looks on a background with the Yxy color 38.4696, 0.2385, 0.3784.

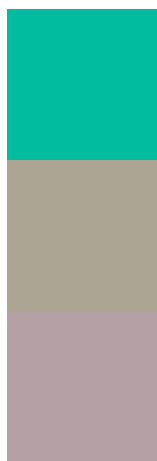


This preview shows how white text looks on a background with the Yxy color 38.4696, 0.2385, 0.3784.

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

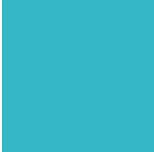
38.4761, 0.2385, 0.3784

Protanopia

37.9011, 0.3364, 0.3546

Deuteranopia

37.6820, 0.3285, 0.3222



Tritanopia

38.6551, 0.2262, 0.3070

Trichromacy



Original Color

38.4761, 0.2385, 0.3784



Protanomaly

35.4365, 0.2777, 0.3650



Deuteranomaly

35.0386, 0.2723, 0.3401



Tritanomaly

38.4569, 0.2293, 0.3320

Monochromacy



Original Color

38.4761, 0.2385, 0.3784



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.5000, 0.2607, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4696, 0.2385, 0.3784 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(1, 188, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 188, 159) }
```

Border

The CSS property to change the border of an element to Yxy 38.4696, 0.2385, 0.3784 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, 159) }
```

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

```
.border{ border-color:rgb(1, 188, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 188, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 188, 159);  
box-shadow:4px 4px 4px 4px rgb(1, 188,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4696, 0.2385, 0.3784 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, 159) }
```

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

```
.background{ background-color: rgb(1, 188,  
159) }
```

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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