

Converting Colors

$Y_{xy}(38.1578, 0.2486, 0.4149)$

Have a look what the booklet for
Yxy(38.1578, 0.2486, 0.4149)
contains.

Yxy(38.2886, 0.2487, 0.4152)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.2886, 0.2487, 0.4152)

Conversions

Conversions Part 1

Format	Color
Hex	00BD8C
RGB	0, 189, 140
RGB Percent	0%, 74%, 55%
CMY	0.9987, 0.2588, 0.4510
CMYK	1.00, 0.00, 0.26, 0.26
HSL	164°, 100%, 37%
HSV	164°, 100%, 74%
XYZ	22.9344, 38.2886, 30.9942
YIQ	126.9030, -96.9150, -55.3070

Conversions

Conversions Part 2

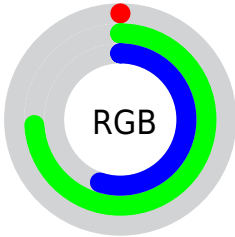
Format	Color
RYB	0, 109, 189
Decimal	48524
CIELab	68.23, -51.79, 13.67
CIELCh	68, 53.563, 165.219
Yxy	38.2886, 0.2487, 0.4152
Android (android.graphics.Color)	4278238604 (0xFF00BD8C)
YUV	126.9030, 6.4568, -111.2939
Hunter-Lab	61.8778, -42.1267, 13.6164

Details

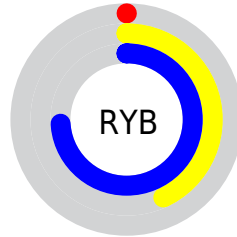
The Yxy color **38.2886, 0.2487, 0.4152** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.0505, 0.5898, 0.3024**, and the grayscale version is **21.2273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4032, 0.2613, 0.3964**, and **17.7884, 0.2547, 0.4369** is the 20% darker color. If you saturate the color by 10%, you get **38.2853, 0.2487, 0.4154**, and if you desaturate by 10%, it is **38.5768, 0.2479, 0.4056**.

Distribution



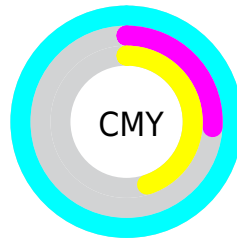
- Red (0%)
- Green (74%)
- Blue (55%)



- Red (0%)
- Yellow (43%)
- Blue (74%)



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





- Cyan (100%)
- Magenta (26%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2886, 0.2487, 0.4152 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 38.2886, 0.2487, 0.4152 by changing the saturation by 10% instead.

 38.2886, 0.2487,
0.4152


 38.2886, 0.2487,
0.4152


338.8564, 0.2826,
0.3685

 26.2068, 0.2396,
0.4282


 72.5503, 0.2615,
0.3973


 16.9784, 0.2275,
0.4456

 95.4989, 0.2662,
0.3908

 10.2191, 0.2109,
0.4703


 122.8385, 0.2701,
0.3855

 5.5445, 0.1865,
0.5078

 154.9537, 0.2733,
0.3810

 2.5701, 0.1456,
0.5719

 192.2286, 0.2762,
0.3772

 0.9117, 0.0000,
0.9610

 235.0478, 0.2786,

 0.0000, 0.0000,

0.3739

0.0000

283.7956, 0.2808,
0.3710

■ 38.2886, 0.2487,
0.4152

■ 38.2886, 0.2487,
0.4152

■ 38.2853, 0.2487,
0.4154

■ 38.5768, 0.2479,
0.4056

■ 39.0053, 0.2486,
0.3959

■ 39.6228, 0.2513,
0.3862

■ 40.4537, 0.2559,
0.3767

■ 41.5187, 0.2624,
0.3674

■ 42.8359, 0.2704,
0.3586

■ 44.4217, 0.2798,
0.3502

■ 46.2910, 0.2902,
0.3425

■ 48.4575, 0.3013,
0.3353

Harmonies

Analogous

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



38.2886, 0.3212, 0.4709



38.2886, 0.2487, 0.4152



38.2886, 0.1975, 0.3293

Triad

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



38.2886, 0.2487, 0.4152



38.2886, 0.2229, 0.2092



38.2886, 0.4707, 0.3681

Complementary

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



38.2886, 0.2487, 0.4152



11.0505, 0.5898, 0.3024

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.



38.2886, 0.4402, 0.3106



38.2886, 0.2487, 0.4152



38.2886, 0.2874, 0.2243

Square

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



38.2886, 0.2487, 0.4152



38.2886, 0.1855, 0.2190



38.2886, 0.3689, 0.2601



38.2886, 0.4515, 0.4252

Rectangle

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



38.2886, 0.2487, 0.4152



38.2886, 0.1802, 0.2787



38.2886, 0.3689, 0.2601



38.2886, 0.4662, 0.3486

Sweetspot

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



38.2901, 0.2487, 0.4152



79.3584, 0.2791, 0.3507



37.0898, 0.3114, 0.5908



16.7982, 0.2751, 0.3542



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.



38.2901, 0.2487, 0.4152



68.5294, 0.2491, 0.4169



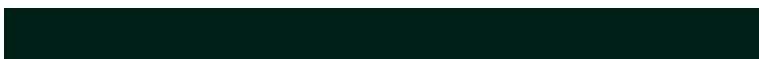
23.9203, 0.2033, 0.2519



10.7661, 0.3018, 0.3350



25.7732, 0.2484, 0.4141



1.0197, 0.2420, 0.3912

Inverse Universe

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



11.0505, 0.5898, 0.3024



19.7418, 0.5940, 0.3046



12.6477, 0.6110, 0.3528



9.5760, 0.3249, 0.3231



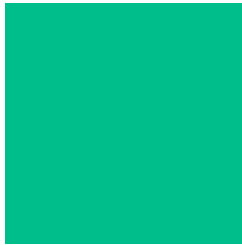
7.4397, 0.5871, 0.3008



0.3025, 0.5169, 0.2621

Previews

White Background



This preview shows how the Yxy color 38.2886, 0.2487, 0.4152 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 38.2886, 0.2487, 0.4152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

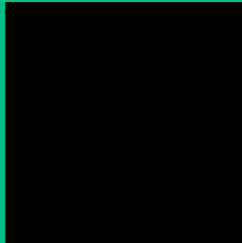
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2886, 0.2487, 0.4152

Background



This preview shows how black text looks on a background with the Yxy color 38.2886, 0.2487, 0.4152.

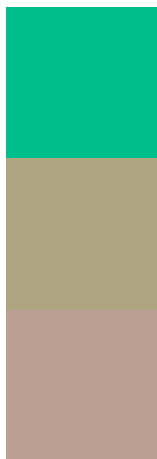


This preview shows how white text looks on a background with the Yxy color 38.2886, 0.2487, 0.4152.

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

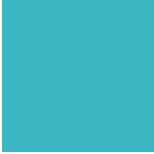
38.2886, 0.2487, 0.4152

Protanopia

37.7254, 0.3559, 0.3802

Deuteranopia

37.5942, 0.3529, 0.3454



Tritanopia

38.4335, 0.2286, 0.3070

Trichromacy



Original Color

38.2886, 0.2487, 0.4152



Protanomaly

35.4103, 0.2923, 0.3974



Deuteranomaly

34.7561, 0.2902, 0.3714



Tritanomaly

38.2638, 0.2336, 0.3436

Monochromacy



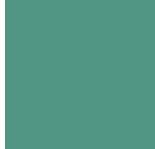
Original Color

38.2886, 0.2487, 0.4152



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

25.2280, 0.2660, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2886, 0.2487, 0.4152 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, 189, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 140)  
}
```

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, 189, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 140) }
```

Border

The CSS property to change the border of an element to Yxy 38.2886, 0.2487, 0.4152 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, 189, 140) }
```

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

```
.border{ border-color:rgb(0, 189, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2886, 0.2487, 0.4152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 140) }
```

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

```
.background{ background-color: rgb(0, 189,  
140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor