

Converting Colors

$Yxy(38.2083, 0.2477, 0.4117)$

Have a look what the booklet for
Yxy(38.2083, 0.2477, 0.4117)
contains.

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Color

Yxy(38.3482, 0.2476, 0.4114)

Conversions

Conversions Part 1

Format	Color
Hex	00BD8E
RGB	0, 189, 142
RGB Percent	0%, 74%, 56%
CMY	1.0000, 0.2588, 0.4430
CMYK	1.00, 0.00, 0.25, 0.26
HSL	165°, 100%, 37%
HSV	165°, 100%, 74%
XYZ	23.0798, 38.3482, 31.7859
YIQ	127.1310, -97.5570, -54.6850

Conversions

Conversions Part 2

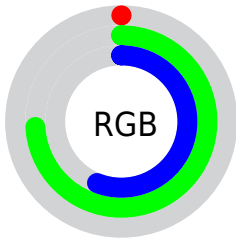
Format	Color
RYB	0, 108, 189
Decimal	48526
CIELab	68.28, -51.32, 12.63
CIELCh	68, 52.854, 166.175
Yxy	38.3482, 0.2476, 0.4114
Android (android.graphics.Color)	4278238606 (0xFF00BD8E)
YUV	127.1310, 7.3304, -111.4939
Hunter-Lab	61.9259, -41.8435, 12.9152

Details

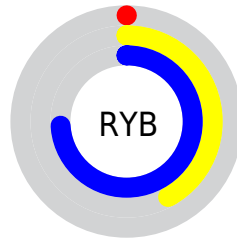
The Yxy color **38.3482, 0.2476, 0.4114** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.0244, 0.5938, 0.3045**, and the grayscale version is **21.2720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4937, 0.2604, 0.3937**, and **17.8229, 0.2532, 0.4316** is the 20% darker color. If you saturate the color by 10%, you get **38.3508, 0.2476, 0.4114**, and if you desaturate by 10%, it is **38.6324, 0.2469, 0.4023**.

Distribution



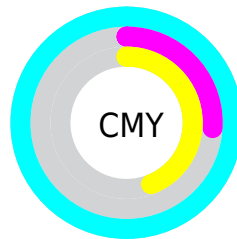
- Red (0%)
- Green (74%)
- Blue (56%)



- Red (0%)
- Yellow (42%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3482, 0.2476, 0.4114 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 38.3482, 0.2476, 0.4114 by changing the saturation by 10% instead.


 38.3482, 0.2476,
0.4114


 38.3482, 0.2476,
0.4114


339.1113, 0.2820,
0.3669


 26.2530, 0.2384,
0.4237


 72.6415, 0.2605,
0.3944


 17.0130, 0.2263,
0.4402


 95.6085, 0.2653,
0.3882

 10.2438, 0.2096,
0.4636


 122.9682, 0.2692,
0.3831

 5.5609, 0.1853,
0.4989

 155.1050, 0.2725,
0.3789

 2.5800, 0.1452,
0.5589

 192.4033, 0.2754,
0.3752

 0.9166, 0.0000,
0.8888

235.2475, 0.2779,

 0.0000, 0.0000,

0.3720

0.0000

284.0221, 0.2801,
0.3693

■ 38.3482, 0.2476,
0.4114

■ 38.3482, 0.2476,
0.4114

■ 38.3508, 0.2476,
0.4114

■ 38.6324, 0.2469,
0.4023

■ 39.0534, 0.2477,
0.3930

■ 39.6625, 0.2504,
0.3838

■ 40.4840, 0.2551,
0.3747

■ 41.5387, 0.2616,
0.3659

■ 42.8448, 0.2697,
0.3574

■ 44.4186, 0.2792,
0.3494

■ 46.2752, 0.2897,
0.3420

■ 48.4282, 0.3010,
0.3352

Harmonies

Analogous

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



38.3482, 0.3188, 0.4679



38.3482, 0.2476, 0.4114



38.3482, 0.1978, 0.3268

Triad

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



38.3482, 0.2476, 0.4114



38.3482, 0.2256, 0.2107



38.3482, 0.4687, 0.3697

Complementary

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



38.3482, 0.2476, 0.4114



11.0244, 0.5938, 0.3045

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.



38.3482, 0.4401, 0.3128



38.3482, 0.2476, 0.4114



38.3482, 0.2902, 0.2263

Square

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



38.3482, 0.2476, 0.4114



38.3482, 0.1877, 0.2196



38.3482, 0.3707, 0.2624



38.3482, 0.4486, 0.4259

Rectangle

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



38.3482, 0.2476, 0.4114



38.3482, 0.1812, 0.2774



38.3482, 0.3707, 0.2624



38.3482, 0.4648, 0.3504

Sweetspot

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



38.3508, 0.2476, 0.4114



79.4033, 0.2787, 0.3498



37.0073, 0.3101, 0.5920



16.8090, 0.2746, 0.3531



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.



38.3508, 0.2476, 0.4114



68.6426, 0.2480, 0.4128



22.9469, 0.2016, 0.2458



10.7679, 0.3017, 0.3348



25.8150, 0.2473, 0.4102



1.0210, 0.2412, 0.3883

Inverse Universe

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



11.0244, 0.5938, 0.3045



19.7118, 0.5975, 0.3065



12.8725, 0.6079, 0.3555



9.5742, 0.3250, 0.3233



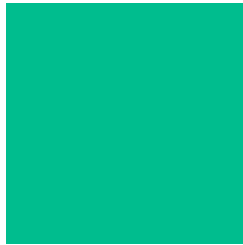
7.4277, 0.5907, 0.3027



0.3018, 0.5209, 0.2643

Previews

White Background



This preview shows how the Yxy color 38.3482, 0.2476, 0.4114 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 38.3482, 0.2476, 0.4114 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 38.3482, 0.2476, 0.4114

Background



This preview shows how black text looks on a background with the Yxy color 38.3482, 0.2476, 0.4114.

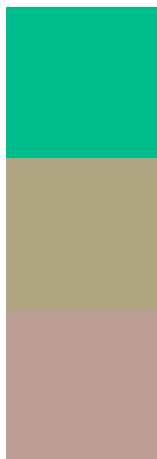


This preview shows how white text looks on a background with the Yxy color 38.3482, 0.2476, 0.4114.

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

38.3482, 0.2476, 0.4114

Protanopia

37.7521, 0.3550, 0.3787

Deuteranopia

37.5310, 0.3499, 0.3427



Tritanopia

38.4478, 0.2278, 0.3055

Trichromacy



Original Color

38.3482, 0.2476, 0.4114



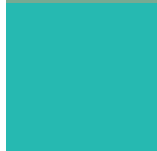
Protanomaly

35.4381, 0.2916, 0.3956



Deuteranomaly

34.7467, 0.2879, 0.3681



Tritanomaly

38.2843, 0.2329, 0.3419

Monochromacy



Original Color

38.3482, 0.2476, 0.4114



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 38.3482, 0.2476, 0.4114 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 142) }
```

Border

The CSS property to change the border of an element to Yxy 38.3482, 0.2476, 0.4114 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, 142) }
```

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

```
.border{ border-color:rgb(0, 189, 142) }
```

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, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3482, 0.2476, 0.4114 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, 142) }
```

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

```
.background{ background-color: rgb(0, 189,  
142) }
```

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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