

Converting Colors

$Y_{xy}(38.5060, 0.2409, 0.4169)$

Have a look what the booklet for
Yxy(38.5060, 0.2409, 0.4169)
contains.

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Color

Yxy(39.1847, 0.2489, 0.4162)

Conversions

Conversions Part 1

Format	Color
Hex	00BF8D
RGB	0, 191, 141
RGB Percent	0%, 75%, 55%
CMY	1.0000, 0.2509, 0.4470
CMYK	1.00, 0.00, 0.26, 0.25
HSL	164°, 100%, 37%
HSV	164°, 100%, 75%
XYZ	23.4336, 39.1847, 31.5304
YIQ	128.1910, -97.7860, -56.0420

Conversions

Conversions Part 2

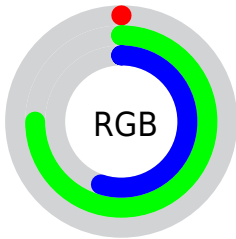
Format	Color
RYB	0, 110, 191
Decimal	49037
CIELab	68.88, -52.36, 14.03
CIELCh	69, 54.208, 164.995
Yxy	39.1847, 0.2489, 0.4162
Android (android.graphics.Color)	4278239117 (0xFF00BF8D)
YUV	128.1910, 6.3148, -112.4235
Hunter-Lab	62.5977, -42.7240, 13.9540

Details

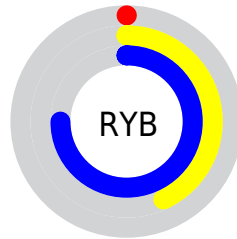
The Yxy color **39.1847, 0.2489, 0.4162** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **11.3081, 0.5898, 0.3023**, and the grayscale version is **21.6618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6716, 0.2613, 0.3973**, and **18.3636, 0.2550, 0.4379** is the 20% darker color. If you saturate the color by 10%, you get **39.1898, 0.2489, 0.4162**, and if you desaturate by 10%, it is **39.4815, 0.2481, 0.4065**.

Distribution



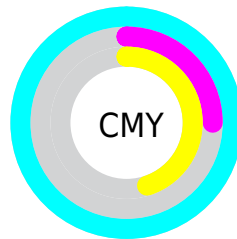
- Red (0%)
- Green (75%)
- Blue (55%)



- Red (0%)
- Yellow (43%)
- Blue (75%)



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



- Cyan (100%)
- Magenta (25%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1847, 0.2489, 0.4162 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 39.1847, 0.2489, 0.4162 by changing the saturation by 10% instead.

 39.1847, 0.2489,
0.4162


 39.1847, 0.2489,
0.4162


342.6751, 0.2826,
0.3691


 26.9034, 0.2399,
0.4292


 73.9204, 0.2616,
0.3982

 17.5007, 0.2280,
0.4467


 97.1436, 0.2662,
0.3917


 10.5921, 0.2115,
0.4714


 124.7830, 0.2701,
0.3863

 5.7933, 0.1876,
0.5086

 157.2228, 0.2734,
0.3818

 2.7198, 0.1488,
0.5710

 194.8475, 0.2762,
0.3779

 0.9873, 0.0000,
0.9167


238.0416, 0.2786,


 0.0000, 0.0000,


0.3745


0.0000


287.1893, 0.2808,
0.3716


 39.1847, 0.2489,
0.4162


 39.1847, 0.2489,
0.4162


 39.1898, 0.2489,
0.4162

 39.4815, 0.2481,
0.4065

 39.9170, 0.2487,
0.3967

 40.5459, 0.2514,
0.3870

 41.3931, 0.2560,
0.3773

 42.4801, 0.2623,
0.3679

■ 43.8253, 0.2703,
0.3590

■ 45.4458, 0.2797,
0.3505

■ 47.3568, 0.2900,
0.3427

■ 49.5726, 0.3011,
0.3355

Harmonies

Analogous

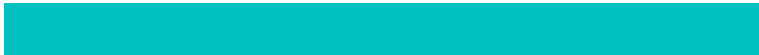
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.1847, 0.3217, 0.4718



39.1847, 0.2489, 0.4162



39.1847, 0.1973, 0.3299

Triad

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



39.1847, 0.2489, 0.4162



39.1847, 0.2222, 0.2088



39.1847, 0.4713, 0.3677

Complementary

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



39.1847, 0.2489, 0.4162



11.3081, 0.5898, 0.3023

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.



39.1847, 0.4403, 0.3101



39.1847, 0.2489, 0.4162



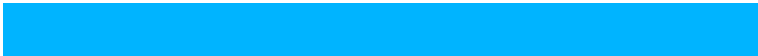
39.1847, 0.2867, 0.2237

Square

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



39.1847, 0.2489, 0.4162



39.1847, 0.1849, 0.2188



39.1847, 0.3685, 0.2596



39.1847, 0.4523, 0.4251

Rectangle

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



39.1847, 0.2489, 0.4162



39.1847, 0.1798, 0.2789



39.1847, 0.3685, 0.2596



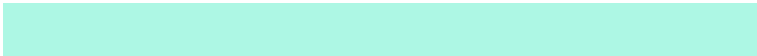
39.1847, 0.4666, 0.3482

Sweetspot

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



39.1898, 0.2489, 0.4162



81.2338, 0.2792, 0.3509



37.9686, 0.3113, 0.5911



17.5548, 0.2751, 0.3545



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.1898, 0.2489, 0.4162



70.1380, 0.2494, 0.4177



24.4563, 0.2032, 0.2516



10.7657, 0.3019, 0.3351



25.7655, 0.2486, 0.4149



1.0194, 0.2422, 0.3917

Inverse Universe

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



11.3081, 0.5898, 0.3023



20.2166, 0.5935, 0.3043



12.9219, 0.6116, 0.3526



9.5763, 0.3248, 0.3230



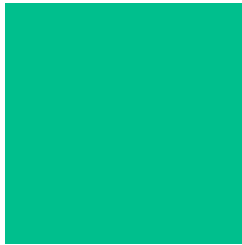
7.4421, 0.5864, 0.3004



0.3027, 0.5161, 0.2617

Previews

White Background



This preview shows how the Yxy color 39.1847, 0.2489, 0.4162 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 39.1847, 0.2489, 0.4162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

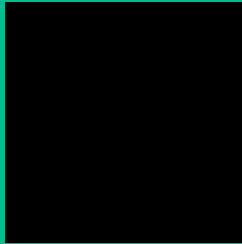
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1847, 0.2489, 0.4162

Background



This preview shows how black text looks on a background with the Yxy color 39.1847, 0.2489, 0.4162.



This preview shows how white text looks on a background with the Yxy color 39.1847, 0.2489, 0.4162.

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

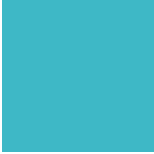
39.1847, 0.2489, 0.4162

Protanopia

38.6874, 0.3573, 0.3824

Deuteranopia

38.5750, 0.3534, 0.3466



Tritanopia

39.3823, 0.2287, 0.3072

Trichromacy



Original Color

39.1847, 0.2489, 0.4162



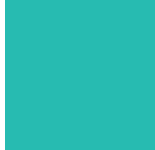
Protanomaly

36.2548, 0.2932, 0.4001



Deuteranomaly

35.6143, 0.2904, 0.3727



Tritanomaly

39.1463, 0.2340, 0.3451

Monochromacy



Original Color

39.1847, 0.2489, 0.4162



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.5760, 0.2655, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1847, 0.2489, 0.4162 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, 191, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 141)  
}
```

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, 191, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 141) }
```

Border

The CSS property to change the border of an element to Yxy 39.1847, 0.2489, 0.4162 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, 191, 141) }
```

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

```
.border{ border-color:rgb(0, 191, 141) }
```

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

Here you see how a box with a 4 pixel rgb(0, 191, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1847, 0.2489, 0.4162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 141) }
```

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

```
.background{ background-color: rgb(0, 191,  
141) }
```

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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