

Converting Colors

$Yxy(38.9353, 0.2467, 0.3812)$

Have a look what the booklet for
Yxy(38.9353, 0.2467, 0.3812)
contains.

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Color

Yxy(39.0051, 0.2466, 0.3811)

Conversions

Conversions Part 1

Format	Color
Hex	2FBC9D
RGB	47, 188, 157
RGB Percent	18%, 74%, 62%
CMY	0.8160, 0.2627, 0.3842
CMYK	0.75, 0.00, 0.16, 0.26
HSL	167°, 60%, 46%
HSV	167°, 75%, 74%
XYZ	25.2392, 39.0051, 38.1044
YIQ	142.3070, -74.0850, -39.5330

Conversions

Conversions Part 2

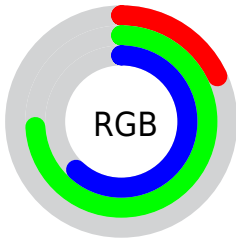
Format	Color
RYB	47, 126, 188
Decimal	3128477
CIELab	68.75, -43.95, 5.19
CIELCh	69, 44.251, 173.266
Yxy	39.0051, 0.2466, 0.3811
Android (android.graphics.Color)	4281318557 (0xFF2FBC9D)
YUV	142.3070, 7.2436, -83.5842
Hunter-Lab	62.4541, -37.1584, 7.5439

Details

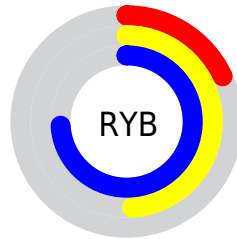
The Yxy color **39.0051, 0.2466, 0.3811** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **13.2668, 0.5148, 0.2953**, and the grayscale version is **27.1620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7031, 0.2592, 0.3702**, and **18.0908, 0.2432, 0.3954** is the 20% darker color. If you saturate the color by 10%, you get **38.5141, 0.2446, 0.3892**, and if you desaturate by 10%, it is **39.6961, 0.2506, 0.3731**.

Distribution



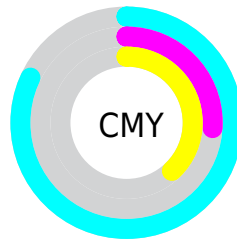
- Red (18%)
- Green (74%)
- Blue (62%)



- Red (18%)
- Yellow (49%)
- Blue (74%)



- Cyan (75%)
- Magenta (0%)
- Yellow (16%)
- Black (26%)





- Cyan (82%)
- Magenta (26%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0051, 0.2466, 0.3811 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 39.0051, 0.2466, 0.3811 by changing the saturation by 10% instead.

 39.0051, 0.2466,
0.3811


 39.0051, 0.2466,
0.3811


341.9122, 0.2807,
0.3537


 26.7637, 0.2378,
0.3884


 73.6461, 0.2592,
0.3708


 17.3958, 0.2263,
0.3980


 96.8145, 0.2639,
0.3671


 10.5171, 0.2107,
0.4113


 124.3940, 0.2678,
0.3639

 5.7431, 0.1885,
0.4308

 156.7690, 0.2712,
0.3613

 2.6895, 0.1549,
0.4619

 194.3240, 0.2741,
0.3590

 0.9719, 0.0000,
0.5839

237.4432, 0.2766,

 0.0000, 0.0000,

0.3570

0.0000

286.5111, 0.2788,
0.3552

■ 39.0051, 0.2466,
0.3811

■ 39.0051, 0.2466,
0.3811

■ 38.5141, 0.2446,
0.3892

■ 39.6961, 0.2506,
0.3731

■ 38.1918, 0.2444,
0.3971

■ 40.6047, 0.2564,
0.3652

■ 38.0671, 0.2448,
0.4011

■ 41.7514, 0.2640,
0.3577

■ 43.1532, 0.2730,
0.3504

■ 44.8255, 0.2833,
0.3437

■ 46.7825, 0.2946,
0.3374

■ 49.0374, 0.3065,
0.3317

■ 51.6025, 0.3189,
0.3265

■ 54.4894, 0.3314,
0.3219

Harmonies

Analogous

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



39.0051, 0.3045, 0.4352



39.0051, 0.2466, 0.3811



39.0051, 0.2088, 0.3130

Triad

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



39.0051, 0.2466, 0.3811



39.0051, 0.2504, 0.2290



39.0051, 0.4432, 0.3780

Complementary

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



39.0051, 0.2466, 0.3811



13.2668, 0.5148, 0.2953

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.



39.0051, 0.4280, 0.3282



39.0051, 0.2466, 0.3811



39.0051, 0.3099, 0.2470

Square

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



39.0051, 0.2466, 0.3811



39.0051, 0.2114, 0.2322



39.0051, 0.3769, 0.2821



39.0051, 0.4195, 0.4230

Rectangle

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



39.0051, 0.2466, 0.3811



39.0051, 0.1981, 0.2749



39.0051, 0.3769, 0.2821



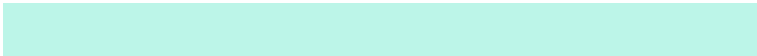
39.0051, 0.4427, 0.3614

Sweetspot

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



39.0066, 0.2466, 0.3811



81.7892, 0.2852, 0.3426



37.8722, 0.3181, 0.5528



17.3333, 0.2813, 0.3450



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.



39.0066, 0.2466, 0.3811



69.3883, 0.2443, 0.3943



26.1680, 0.2145, 0.2646



10.7727, 0.3013, 0.3341



25.9274, 0.2445, 0.4001



1.0247, 0.2392, 0.3810

Inverse Universe

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



13.2668, 0.5148, 0.2953



20.5290, 0.5767, 0.3026



17.3210, 0.5259, 0.3723



9.5698, 0.3255, 0.3240



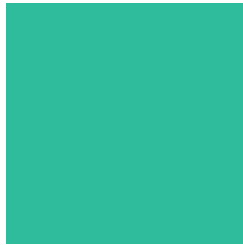
7.3990, 0.5994, 0.3076



0.2999, 0.5317, 0.2703

Previews

White Background



This preview shows how the Yxy color 39.0051, 0.2466, 0.3811 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 39.0051, 0.2466, 0.3811 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

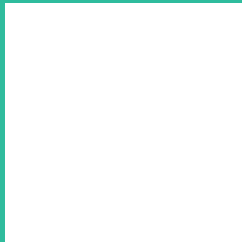
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.0051, 0.2466, 0.3811

Background



This preview shows how black text looks on a background with the Yxy color 39.0051, 0.2466, 0.3811.

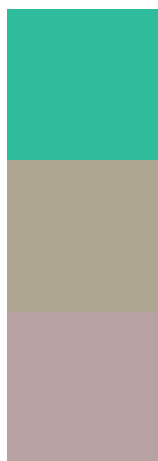


This preview shows how white text looks on a background with the Yxy color 39.0051, 0.2466, 0.3811.

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

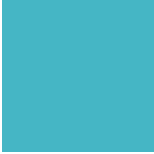
39.0051, 0.2466, 0.3811

Protanopia

38.3154, 0.3390, 0.3588

Deuteranopia

38.3244, 0.3332, 0.3264



Tritanopia

38.7523, 0.2308, 0.3057

Trichromacy



Original Color

39.0051, 0.2466, 0.3811



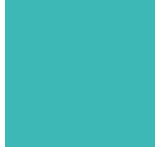
Protanomaly

37.0312, 0.2931, 0.3684



Deuteranomaly

36.7674, 0.2887, 0.3443



Tritanomaly

38.6505, 0.2363, 0.3320

Monochromacy



Original Color

39.0051, 0.2466, 0.3811



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

30.0287, 0.2762, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0051, 0.2466, 0.3811 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(47, 188, 157)` looks like.

```
.text, #text, p{  
    color:rgb(47, 188, 157)  
}
```

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(47, 188, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 188, 157) }
```

Border

The CSS property to change the border of an element to Yxy 39.0051, 0.2466, 0.3811 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(47, 188, 157) }
```

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

```
.border{ border-color:rgb(47, 188, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 188, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 188, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 188, 157);  
box-shadow:4px 4px 4px 4px rgb(47, 188,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0051, 0.2466, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 188, 157) }
```

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

```
.background{ background-color: rgb(47, 188,  
157) }
```

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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