

Converting Colors

$Y_{xy}(39.1427, 0.2518, 0.4263)$

Have a look what the booklet for
Yxy(39.1427, 0.2518, 0.4263)
contains.

Yxy(39.0456, 0.2516, 0.4256)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.0456, 0.2516, 0.4256)

Conversions

Conversions Part 1

Format	Color
Hex	00BF88
RGB	0, 191, 136
RGB Percent	0%, 75%, 53%
CMY	0.9982, 0.2509, 0.4666
CMYK	1.00, 0.00, 0.29, 0.25
HSL	163°, 100%, 38%
HSV	163°, 100%, 75%
XYZ	23.0824, 39.0456, 29.6145
YIQ	127.6210, -96.1810, -57.5970

Conversions

Conversions Part 2

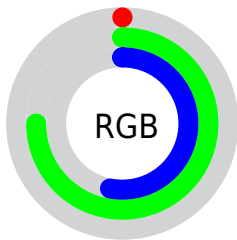
Format	Color
RYB	0, 112, 191
Decimal	49032
CIELab	68.78, -53.50, 16.60
CIELCh	69, 56.016, 162.764
Yxy	39.0456, 0.2516, 0.4256
Android (android.graphics.Color)	4278239112 (0xFF00BF88)
YUV	127.6210, 4.1308, -111.9236
Hunter-Lab	62.4865, -43.4137, 15.6410

Details

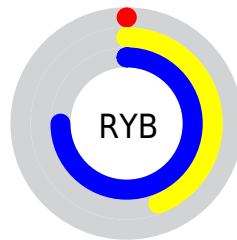
The Yxy color **39.0456, 0.2516, 0.4256** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **11.3683, 0.5801, 0.2971**, and the grayscale version is **21.5122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4056, 0.2640, 0.4056**, and **18.2802, 0.2586, 0.4509** is the 20% darker color. If you saturate the color by 10%, you get **39.0403, 0.2516, 0.4259**, and if you desaturate by 10%, it is **39.3492, 0.2505, 0.4148**.

Distribution



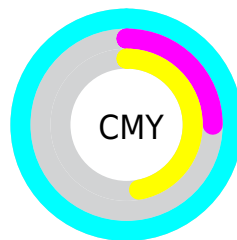
- Red (0%)
- Green (75%)
- Blue (53%)



- Red (0%)
- Yellow (44%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0456, 0.2516, 0.4256 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 39.0456, 0.2516, 0.4256 by changing the saturation by 10% instead.


 39.0456, 0.2516,
0.4256


 39.0456, 0.2516,
0.4256

342.0843, 0.2843,
0.3730


 26.7952, 0.2427,
0.4402


 73.7080, 0.2640,
0.4054


 17.4195, 0.2310,
0.4600


 96.8887, 0.2685,
0.3982

 10.5340, 0.2146,
0.4879


 124.4818, 0.2722,
0.3922

 5.7544, 0.1904,
0.5303

 156.8714, 0.2754,
0.3871

 2.6963, 0.1497,
0.6022

 194.4421, 0.2781,
0.3828

 0.9753, 0.0000,
1.0000

237.5782, 0.2804,

 0.0000, 0.0000,

0.3791

0.0000

286.6642, 0.2825,
0.3759

■ 39.0456, 0.2516,
0.4256

■ 39.0456, 0.2516,
0.4256

■ 39.0403, 0.2516,
0.4259

■ 39.3492, 0.2505,
0.4148

■ 39.7989, 0.2510,
0.4040

■ 40.4440, 0.2534,
0.3931

■ 41.3096, 0.2578,
0.3823

■ 42.4167, 0.2641,
0.3719

■ 43.7841, 0.2718,
0.3620

■ 45.4287, 0.2809,
0.3526

■ 47.3656, 0.2910,
0.3439

■ 49.6093, 0.3018,
0.3360

Harmonies

Analogous

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



39.0456, 0.3274, 0.4790



39.0456, 0.2516, 0.4256



39.0456, 0.1966, 0.3362

Triad

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



39.0456, 0.2516, 0.4256



39.0456, 0.2155, 0.2052



39.0456, 0.4760, 0.3637

Complementary

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



39.0456, 0.2516, 0.4256



11.3683, 0.5801, 0.2971

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.



39.0456, 0.4403, 0.3050



39.0456, 0.2516, 0.4256



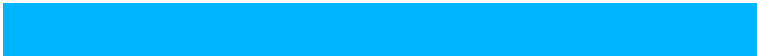
39.0456, 0.2799, 0.2188

Square

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



39.0456, 0.2516, 0.4256



39.0456, 0.1797, 0.2173



39.0456, 0.3639, 0.2541



39.0456, 0.4595, 0.4231

Rectangle

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



39.0456, 0.2516, 0.4256



39.0456, 0.1772, 0.2821



39.0456, 0.3639, 0.2541



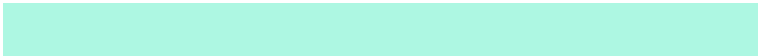
39.0456, 0.4700, 0.3437

Sweetspot

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



39.0471, 0.2516, 0.4256



81.1237, 0.2802, 0.3533



38.1559, 0.3141, 0.5886



17.5277, 0.2762, 0.3572



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.



39.0471, 0.2516, 0.4256



69.8683, 0.2521, 0.4275



26.5155, 0.2066, 0.2635



10.7613, 0.3022, 0.3357



25.6680, 0.2512, 0.4244



1.0162, 0.2441, 0.3987

Inverse Universe

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



11.3683, 0.5801, 0.2971



20.2980, 0.5846, 0.2994



12.5021, 0.6174, 0.3477



9.5805, 0.3244, 0.3224



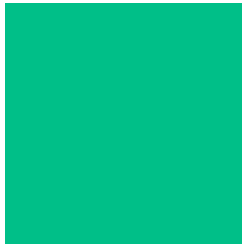
7.4737, 0.5773, 0.2954



0.3045, 0.5069, 0.2566

Previews

White Background



This preview shows how the Yxy color 39.0456, 0.2516, 0.4256 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 39.0456, 0.2516, 0.4256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

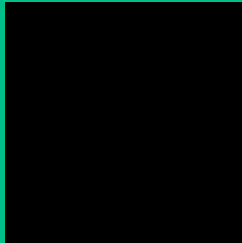
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.0456, 0.2516, 0.4256

Background



This preview shows how black text looks on a background with the Yxy color 39.0456, 0.2516, 0.4256.



This preview shows how white text looks on a background with the Yxy color 39.0456, 0.2516, 0.4256.

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

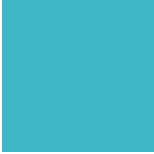
39.0392, 0.2516, 0.4256

Protanopia

38.2181, 0.3613, 0.3868

Deuteranopia

38.2011, 0.3595, 0.3520



Tritanopia

39.0342, 0.2290, 0.3057

Trichromacy



Original Color

39.0392, 0.2516, 0.4256



Protanomaly

35.7556, 0.2961, 0.4056



Deuteranomaly

35.1568, 0.2949, 0.3795



Tritanomaly

38.6844, 0.2350, 0.3468

Monochromacy



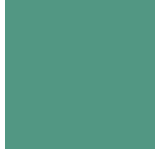
Original Color

39.0392, 0.2516, 0.4256



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.5657, 0.2677, 0.3671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0456, 0.2516, 0.4256 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 136) }
```

Border

The CSS property to change the border of an element to Yxy 39.0456, 0.2516, 0.4256 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, 136) }
```

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

```
.border{ border-color:rgb(0, 191, 136) }
```

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, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0456, 0.2516, 0.4256 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, 136) }
```

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

```
.background{ background-color: rgb(0, 191,  
136) }
```

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