

Converting Colors

$Y_{xy}(39.1914, 0.2509, 0.4231)$

Have a look what the booklet for
Yxy(39.1914, 0.2509, 0.4231)
contains.

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Color

Yxy(39.0966, 0.2505, 0.4218)

Conversions

Conversions Part 1

Format	Color
Hex	00BF8A
RGB	0, 191, 138
RGB Percent	0%, 75%, 54%
CMY	1.0000, 0.2510, 0.4587
CMYK	1.00, 0.00, 0.28, 0.25
HSL	163°, 100%, 37%
HSV	163°, 100%, 75%
XYZ	23.2188, 39.0966, 30.3745
YIQ	127.8490, -96.8230, -56.9750

Conversions

Conversions Part 2

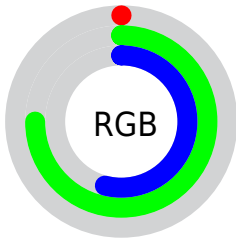
Format	Color
RYB	0, 111, 191
Decimal	49034
CIELab	68.82, -53.05, 15.56
CIELCh	69, 55.281, 163.650
Yxy	39.0966, 0.2505, 0.4218
Android (android.graphics.Color)	4278239114 (0xFF00BF8A)
YUV	127.8490, 5.0044, -112.1236
Hunter-Lab	62.5273, -43.1387, 14.9672

Details

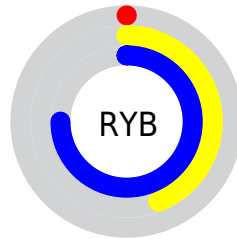
The Yxy color **39.0966, 0.2505, 0.4218** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **11.3336, 0.5846, 0.2994**, and the grayscale version is **21.5401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5372, 0.2627, 0.4014**, and **18.3129, 0.2571, 0.4457** is the 20% darker color. If you saturate the color by 10%, you get **39.0984, 0.2505, 0.4218**, and if you desaturate by 10%, it is **39.3951, 0.2495, 0.4115**.

Distribution



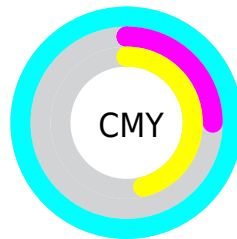
- Red (0%)
- Green (75%)
- Blue (54%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0966, 0.2505, 0.4218 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 39.0966, 0.2505, 0.4218 by changing the saturation by 10% instead.


 39.0966, 0.2505,
0.4218


 39.0966, 0.2505,
0.4218


342.3010, 0.2836,
0.3714


 26.8349, 0.2416,
0.4358


 73.7859, 0.2630,
0.4025


 17.4493, 0.2297,
0.4546


 96.9822, 0.2676,
0.3955


 10.5553, 0.2133,
0.4812


 124.5922, 0.2714,
0.3898

 5.7687, 0.1892,
0.5215

 157.0003, 0.2746,
0.3850

 2.7049, 0.1494,
0.5896

 194.5908, 0.2773,
0.3808

 0.9797, 0.0000,
1.0000

237.7482, 0.2797,

 0.0000, 0.0000,

0.3773

0.0000

286.8568, 0.2818,
0.3742

■ 39.0966, 0.2505,
0.4218

■ 39.0966, 0.2505,
0.4218

■ 39.0984, 0.2505,
0.4218

■ 39.3951, 0.2495,
0.4115

■ 39.8364, 0.2500,
0.4011

■ 40.4718, 0.2525,
0.3906

■ 41.3264, 0.2570,
0.3804

■ 42.4215, 0.2632,
0.3704

■ 43.7758, 0.2711,
0.3608

■ 45.4061, 0.2803,
0.3519

■ 47.3277, 0.2904,
0.3435

■ 49.5550, 0.3013,
0.3359

Harmonies

Analogous

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



39.0966, 0.3251, 0.4761



39.0966, 0.2505, 0.4218



39.0966, 0.1969, 0.3337

Triad

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



39.0966, 0.2505, 0.4218



39.0966, 0.2182, 0.2066



39.0966, 0.4741, 0.3653

Complementary

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



39.0966, 0.2505, 0.4218



11.3336, 0.5846, 0.2994

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.



39.0966, 0.4403, 0.3071



39.0966, 0.2505, 0.4218



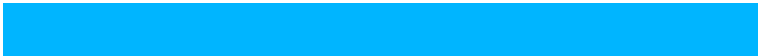
39.0966, 0.2827, 0.2208

Square

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



39.0966, 0.2505, 0.4218



39.0966, 0.1818, 0.2179



39.0966, 0.3658, 0.2563



39.0966, 0.4566, 0.4239

Rectangle

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



39.0966, 0.2505, 0.4218



39.0966, 0.1783, 0.2808



39.0966, 0.3658, 0.2563



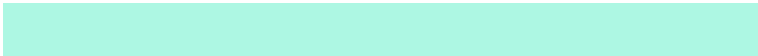
39.0966, 0.4686, 0.3455

Sweetspot

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



39.0984, 0.2505, 0.4218



81.1697, 0.2798, 0.3523



38.0503, 0.3126, 0.5900



17.5391, 0.2758, 0.3561



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.



39.0984, 0.2505, 0.4218



69.9799, 0.2509, 0.4234



25.4529, 0.2049, 0.2575



10.7632, 0.3021, 0.3354



25.7083, 0.2501, 0.4204



1.0176, 0.2433, 0.3957

Inverse Universe

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



11.3336, 0.5846, 0.2994



20.2627, 0.5884, 0.3015



12.6893, 0.6149, 0.3500



9.5787, 0.3246, 0.3227



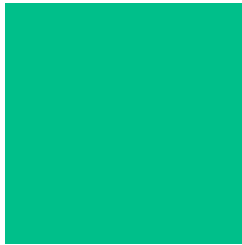
7.4600, 0.5812, 0.2975



0.3037, 0.5107, 0.2587

Previews

White Background



This preview shows how the Yxy color 39.0966, 0.2505, 0.4218 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 39.0966, 0.2505, 0.4218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

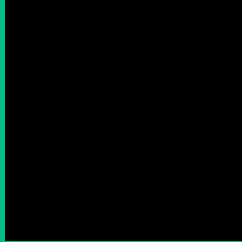
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.0966, 0.2505, 0.4218

Background



This preview shows how black text looks on a background with the Yxy color 39.0966, 0.2505, 0.4218.



This preview shows how white text looks on a background with the Yxy color 39.0966, 0.2505, 0.4218.

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

39.0966, 0.2505, 0.4218

Protanopia

38.2697, 0.3594, 0.3839

Deuteranopia

38.2623, 0.3576, 0.3493



Tritanopia

39.0010, 0.2287, 0.3057

Trichromacy



Original Color

39.0966, 0.2505, 0.4218



Protanomaly

35.8093, 0.2946, 0.4021



Deuteranomaly

35.2164, 0.2934, 0.3761



Tritanomaly

38.7035, 0.2343, 0.3452

Monochromacy



Original Color

39.0966, 0.2505, 0.4218



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.5485, 0.2662, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0966, 0.2505, 0.4218 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, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 138) }
```

Border

The CSS property to change the border of an element to Yxy 39.0966, 0.2505, 0.4218 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, 138) }
```

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

```
.border{ border-color:rgb(0, 191, 138) }
```

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, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0966, 0.2505, 0.4218 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, 138) }
```

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

```
.background{ background-color: rgb(0, 191,  
138) }
```

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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