

Converting Colors

$Yxy(39.2325, 0.2501, 0.4205)$

Have a look what the booklet for
Yxy(39.2325, 0.2501, 0.4205)
contains.

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Color

Yxy(39.1257, 0.2500, 0.4200)

Conversions

Conversions Part 1

Format	Color
Hex	00BF8B
RGB	0, 191, 139
RGB Percent	0%, 75%, 55%
CMY	1.0000, 0.2510, 0.4550
CMYK	1.00, 0.00, 0.27, 0.25
HSL	164°, 100%, 37%
HSV	164°, 100%, 75%
XYZ	23.2891, 39.1257, 30.7416
YIQ	127.9630, -97.1440, -56.6640

Conversions

Conversions Part 2

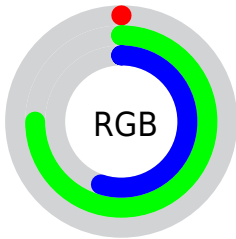
Format	Color
RYB	0, 111, 191
Decimal	49035
CIELab	68.84, -52.82, 15.07
CIElCh	69, 54.930, 164.072
Yxy	39.1257, 0.2500, 0.4200
Android (android.graphics.Color)	4278239115 (0xFF00BF8B)
YUV	127.9630, 5.4412, -112.2236
Hunter-Lab	62.5505, -43.0035, 14.6462

Details

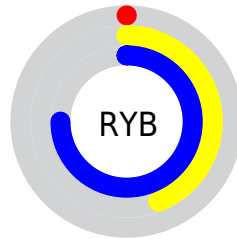
The Yxy color **39.1257, 0.2500, 0.4200** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **11.3253, 0.5863, 0.3004**, and the grayscale version is **21.5791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5817, 0.2622, 0.4001**, and **18.3296, 0.2564, 0.4431** is the 20% darker color. If you saturate the color by 10%, you get **39.1275, 0.2500, 0.4200**, and if you desaturate by 10%, it is **39.4226, 0.2490, 0.4099**.

Distribution



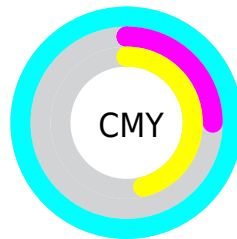
- Red (0%)
- Green (75%)
- Blue (55%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (25%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1257, 0.2500, 0.4200 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 39.1257, 0.2500, 0.4200 by changing the saturation by 10% instead.

 39.1257, 0.2500,
0.4200


 39.1257, 0.2500,
0.4200


342.4246, 0.2833,
0.3707

 26.8575, 0.2411,
0.4337


 73.8303, 0.2626,
0.4011

 17.4663, 0.2292,
0.4521


 97.0355, 0.2671,
0.3943


 10.5675, 0.2128,
0.4781


 124.6552, 0.2710,
0.3887

 5.7768, 0.1887,
0.5174

 157.0738, 0.2742,
0.3839

 2.7098, 0.1493,
0.5836

 194.6756, 0.2770,
0.3799

 0.9822, 0.0000,
0.9880

237.8451, 0.2794,

 0.0000, 0.0000,

0.3764

0.0000

286.9666, 0.2815,
0.3733

■ 39.1257, 0.2500,
0.4200

■ 39.1257, 0.2500,
0.4200

■ 39.1275, 0.2500,
0.4200

■ 39.4226, 0.2490,
0.4099

■ 39.8621, 0.2496,
0.3997

■ 40.4955, 0.2522,
0.3895

■ 41.3477, 0.2566,
0.3794

■ 42.4403, 0.2630,
0.3696

■ 43.7917, 0.2708,
0.3602

■ 45.4188, 0.2801,
0.3514

■ 47.3371, 0.2903,
0.3433

■ 49.5607, 0.3013,
0.3358

Harmonies

Analogous

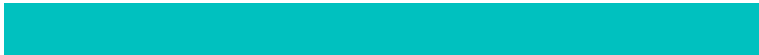
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.1257, 0.3240, 0.4747



39.1257, 0.2500, 0.4200



39.1257, 0.1970, 0.3325

Triad

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



39.1257, 0.2500, 0.4200



39.1257, 0.2195, 0.2073



39.1257, 0.4732, 0.3661

Complementary

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



39.1257, 0.2500, 0.4200



11.3253, 0.5863, 0.3004

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.



39.1257, 0.4403, 0.3080



39.1257, 0.2500, 0.4200



39.1257, 0.2840, 0.2217

Square

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



39.1257, 0.2500, 0.4200



39.1257, 0.1828, 0.2182



39.1257, 0.3666, 0.2573



39.1257, 0.4552, 0.4243

Rectangle

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



39.1257, 0.2500, 0.4200



39.1257, 0.1788, 0.2802



39.1257, 0.3666, 0.2573



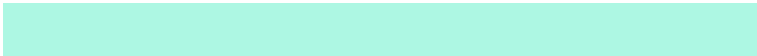
39.1257, 0.4680, 0.3463

Sweetspot

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



39.1275, 0.2500, 0.4200



81.1902, 0.2796, 0.3519



38.0516, 0.3126, 0.5900



17.5441, 0.2755, 0.3555



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.



39.1275, 0.2500, 0.4200



70.0301, 0.2504, 0.4216



25.4538, 0.2049, 0.2575



10.7640, 0.3020, 0.3353



25.7265, 0.2496, 0.4186



1.0182, 0.2429, 0.3945

Inverse Universe

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



11.3253, 0.5863, 0.3004



20.2476, 0.5901, 0.3024



12.6897, 0.6149, 0.3500



9.5779, 0.3247, 0.3228



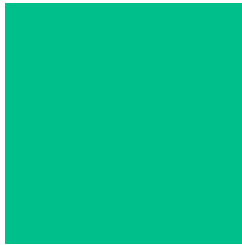
7.4541, 0.5829, 0.2985



0.3034, 0.5124, 0.2596

Previews

White Background



This preview shows how the Yxy color 39.1257, 0.2500, 0.4200 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 39.1257, 0.2500, 0.4200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

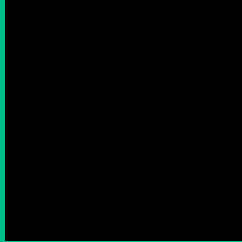
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1257, 0.2500, 0.4200

Background



This preview shows how black text looks on a background with the Yxy color 39.1257, 0.2500, 0.4200.



This preview shows how white text looks on a background with the Yxy color 39.1257, 0.2500, 0.4200.

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

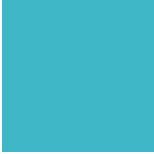
39.1257, 0.2500, 0.4200

Protanopia

38.2959, 0.3585, 0.3825

Deuteranopia

38.5122, 0.3553, 0.3493



Tritanopia

39.0010, 0.2287, 0.3057

Trichromacy



Original Color

39.1257, 0.2500, 0.4200



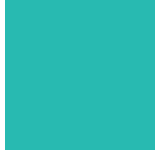
Protanomaly

35.8366, 0.2939, 0.4004



Deuteranomaly

35.5532, 0.2919, 0.3761



Tritanomaly

38.7433, 0.2338, 0.3435

Monochromacy



Original Color

39.1257, 0.2500, 0.4200



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 39.1257, 0.2500, 0.4200 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, 139)` looks like.

```
.text, #text, p{  
  color:rgb(0, 191, 139)  
}
```

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, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 139) }
```

Border

The CSS property to change the border of an element to Yxy 39.1257, 0.2500, 0.4200 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, 139) }
```

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

```
.border{ border-color:rgb(0, 191, 139) }
```

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, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1257, 0.2500, 0.4200 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, 139) }
```

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

```
.background{ background-color: rgb(0, 191,  
139) }
```

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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