

Converting Colors

$Yxy(38.9674, 0.2412, 0.3884)$

Have a look what the booklet for
Yxy(38.9674, 0.2412, 0.3884)
contains.

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Color

Yxy(39.1935, 0.2413, 0.3888)

Conversions

Conversions Part 1

Format	Color
Hex	00BE9B
RGB	0, 190, 155
RGB Percent	0%, 75%, 61%
CMY	1.0000, 0.2549, 0.3922
CMYK	1.00, 0.00, 0.18, 0.25
HSL	169°, 100%, 37%
HSV	169°, 100%, 75%
XYZ	24.3246, 39.1935, 37.2883
YIQ	129.2000, -102.0050, -51.1650

Conversions

Conversions Part 2

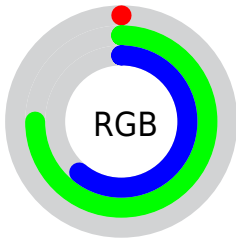
Format	Color
RYB	0, 105, 190
Decimal	48795
CIELab	68.89, -48.46, 6.44
CIELCh	69, 48.888, 172.434
Yxy	39.1935, 0.2413, 0.3888
Android (android.graphics.Color)	4278238875 (0xFF00BE9B)
YUV	129.2000, 12.7194, -113.3084
Hunter-Lab	62.6047, -40.2035, 8.5093

Details

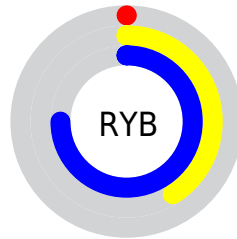
The Yxy color **39.1935, 0.2413, 0.3888** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.0701, 0.6119, 0.3144**, and the grayscale version is **22.0099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7776, 0.2552, 0.3771**, and **18.3274, 0.2451, 0.4025** is the 20% darker color. If you saturate the color by 10%, you get **39.1980, 0.2413, 0.3888**, and if you desaturate by 10%, it is **39.4558, 0.2412, 0.3822**.

Distribution



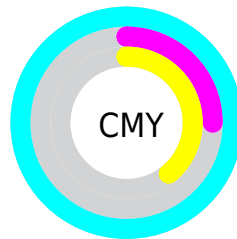
- Red (0%)
- Green (75%)
- Blue (61%)



- Red (0%)
- Yellow (41%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1935, 0.2413, 0.3888 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 39.1935, 0.2413, 0.3888 by changing the saturation by 10% instead.


 39.1935, 0.2413,
0.3888


 39.1935, 0.2413,
0.3888


342.7125, 0.2782,
0.3572


 26.9103, 0.2318,
0.3972


 73.9338, 0.2550,
0.3769

 17.5059, 0.2193,
0.4084


 97.1597, 0.2600,
0.3726


 10.5958, 0.2026,
0.4239


 124.8020, 0.2643,
0.3690

 5.7958, 0.1787,
0.4466

 157.2450, 0.2679,
0.3659

 2.7213, 0.1428,
0.4828

 194.8732, 0.2710,
0.3633

 0.9880, 0.0000,
0.6138

238.0709, 0.2737,

 0.0000, 0.0000,

0.3610

0.0000

287.2225, 0.2761,
0.3590

■ 39.1935, 0.2413,
0.3888

■ 39.1935, 0.2413,
0.3888

■ 39.1980, 0.2413,
0.3888

■ 39.4558, 0.2412,
0.3822

■ 39.8523, 0.2426,
0.3756

■ 40.4364, 0.2458,
0.3690

■ 41.2330, 0.2510,
0.3624

■ 42.2628, 0.2580,
0.3560

■ 43.5443, 0.2667,
0.3498

■ 45.0941, 0.2768,
0.3440

■ 46.9272, 0.2880,
0.3386

■ 49.0577, 0.3001,
0.3336

Harmonies

Analogous

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



39.1935, 0.3047, 0.4486



39.1935, 0.2413, 0.3888



39.1935, 0.2000, 0.3124

Triad

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



39.1935, 0.2413, 0.3888



39.1935, 0.2428, 0.2201



39.1935, 0.4562, 0.3795

Complementary

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



39.1935, 0.2413, 0.3888



11.0701, 0.6119, 0.3144

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.



39.1935, 0.4389, 0.3256



39.1935, 0.2413, 0.3888



39.1935, 0.3072, 0.2390

Square

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



39.1935, 0.2413, 0.3888



39.1935, 0.2016, 0.2238



39.1935, 0.3814, 0.2763



39.1935, 0.4303, 0.4297

Rectangle

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



39.1935, 0.2413, 0.3888



39.1935, 0.1882, 0.2703



39.1935, 0.3814, 0.2763



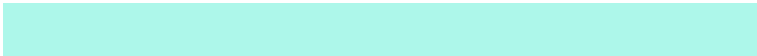
39.1935, 0.4556, 0.3615

Sweetspot

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



39.1980, 0.2413, 0.3888



81.5583, 0.2762, 0.3443



37.2439, 0.3068, 0.5946



17.6350, 0.2718, 0.3467



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.



39.1980, 0.2413, 0.3888



70.9887, 0.2416, 0.3898



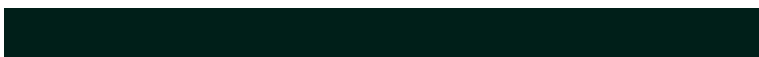
20.4954, 0.1967, 0.2279



10.7786, 0.3009, 0.3333



26.0718, 0.2411, 0.3879



1.0292, 0.2367, 0.3722

Inverse Universe

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



11.0701, 0.6119, 0.3144



20.0319, 0.6151, 0.3162



13.8752, 0.5965, 0.3646



9.5643, 0.3260, 0.3248



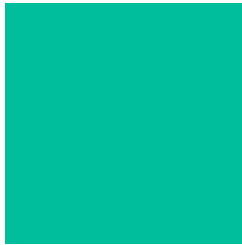
7.3686, 0.6091, 0.3129



0.2975, 0.5457, 0.2780

Previews

White Background



This preview shows how the Yxy color 39.1935, 0.2413, 0.3888 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 39.1935, 0.2413, 0.3888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

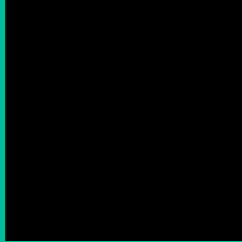
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1935, 0.2413, 0.3888

Background



This preview shows how black text looks on a background with the Yxy color 39.1935, 0.2413, 0.3888.

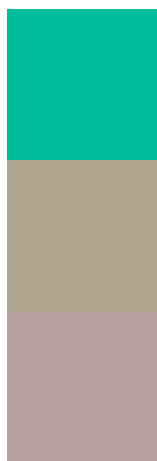


This preview shows how white text looks on a background with the Yxy color 39.1935, 0.2413, 0.3888.

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

39.1935, 0.2413, 0.3888

Protanopia

38.3696, 0.3418, 0.3616

Deuteranopia

38.3772, 0.3360, 0.3291



Tritanopia

39.2453, 0.2265, 0.3056

Trichromacy



Original Color

39.1935, 0.2413, 0.3888



Protanomaly

36.1460, 0.2815, 0.3748



Deuteranomaly

35.8598, 0.2777, 0.3496



Tritanomaly

38.9118, 0.2301, 0.3336

Monochromacy



Original Color

39.1935, 0.2413, 0.3888



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.7620, 0.2624, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1935, 0.2413, 0.3888 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, 190, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 155)  
}
```

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, 190, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 155) }
```

Border

The CSS property to change the border of an element to Yxy 39.1935, 0.2413, 0.3888 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, 190, 155) }
```

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

```
.border{ border-color:rgb(0, 190, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 190, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1935, 0.2413, 0.3888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 155) }
```

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

```
.background{ background-color: rgb(0, 190,  
155) }
```

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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