

Converting Colors

$Yxy(39.6742, 0.2428, 0.3941)$

Have a look what the booklet for
Yxy(39.6742, 0.2428, 0.3941)
contains.

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Color

Yxy(39.5615, 0.2428, 0.3939)

Conversions

Conversions Part 1

Format	Color
Hex	01BF99
RGB	1, 191, 153
RGB Percent	0%, 75%, 60%
CMY	0.9978, 0.2510, 0.4000
CMYK	1.00, 0.00, 0.20, 0.25
HSL	168°, 99%, 38%
HSV	168°, 100%, 75%
XYZ	24.3857, 39.5615, 36.4882
YIQ	129.8580, -101.0420, -52.0980

Conversions

Conversions Part 2

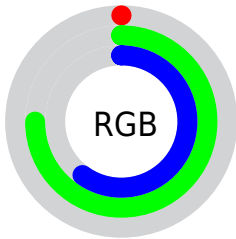
Format	Color
RYB	1, 107, 191
Decimal	114585
CIELab	69.16, -49.34, 7.90
CIELCh	69, 49.967, 170.901
Yxy	39.5615, 0.2428, 0.3939
Android (android.graphics.Color)	4278304665 (0xFF01BF99)
YUV	129.8580, 11.4090, -113.0085
Hunter-Lab	62.8979, -40.8664, 9.6334

Details

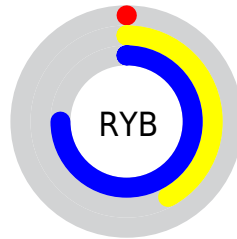
The Yxy color **39.5615, 0.2428, 0.3939** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.2318, 0.6073, 0.3122**, and the grayscale version is **22.2073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2924, 0.2563, 0.3810**, and **18.5676, 0.2471, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **39.5556, 0.2428, 0.3941**, and if you desaturate by 10%, it is **39.8326, 0.2425, 0.3867**.

Distribution



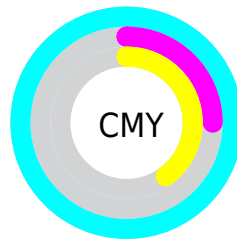
- Red (0%)
- Green (75%)
- Blue (60%)



- Red (0%)
- Yellow (42%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5615, 0.2428, 0.3939 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 39.5615, 0.2428, 0.3939 by changing the saturation by 10% instead.


 39.5615, 0.2428,
0.3939


 39.5615, 0.2428,
0.3939


344.2719, 0.2790,
0.3595

 27.1968, 0.2334,
0.4031


 74.4953, 0.2562,
0.3809


 17.7211, 0.2212,
0.4154


 97.8332, 0.2612,
0.3762


 10.7499, 0.2046,
0.4325


 125.5977, 0.2653,
0.3723

 5.8989, 0.1809,
0.4576

 158.1731, 0.2689,
0.3689

 2.7837, 0.1452,
0.4981

 195.9438, 0.2719,
0.3661

 1.0199, 0.0000,
0.6492

239.2943, 0.2746,

 0.0000, 0.0000,

0.3636

0.0000

288.6088, 0.2769,
0.3614

■ 39.5615, 0.2428,
0.3939

■ 39.5615, 0.2428,
0.3939

■ 39.5556, 0.2428,
0.3941

■ 39.8326, 0.2425,
0.3867

■ 40.2462, 0.2438,
0.3795

■ 40.8511, 0.2470,
0.3722

■ 41.6722, 0.2521,
0.3651

■ 42.7307, 0.2591,
0.3581

■ 44.0450, 0.2677,
0.3514

■ 45.6320, 0.2776,
0.3451

■ 47.5069, 0.2887,
0.3392

■ 49.6838, 0.3006,
0.3338

Harmonies

Analogous

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



39.5615, 0.3080, 0.4530



39.5615, 0.2428, 0.3939



39.5615, 0.1995, 0.3157

Triad

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



39.5615, 0.2428, 0.3939



39.5615, 0.2388, 0.2179



39.5615, 0.4591, 0.3772

Complementary

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



39.5615, 0.2428, 0.3939



11.2318, 0.6073, 0.3122

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.



39.5615, 0.4391, 0.3226



39.5615, 0.2428, 0.3939



39.5615, 0.3033, 0.2361

Square

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



39.5615, 0.2428, 0.3939



39.5615, 0.1984, 0.2229



39.5615, 0.3789, 0.2731



39.5615, 0.4345, 0.4288

Rectangle

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



39.5615, 0.2428, 0.3939



39.5615, 0.1866, 0.2719



39.5615, 0.3789, 0.2731



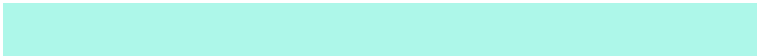
39.5615, 0.4576, 0.3589

Sweetspot

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



39.5630, 0.2428, 0.3939



81.4938, 0.2768, 0.3456



37.6853, 0.3069, 0.5943



17.6190, 0.2724, 0.3483



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.



39.5630, 0.2428, 0.3939



70.8130, 0.2431, 0.3952



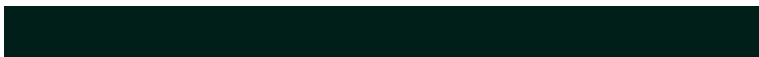
20.7789, 0.1968, 0.2282



10.7760, 0.3011, 0.3336



26.0086, 0.2425, 0.3931



1.0272, 0.2378, 0.3760

Inverse Universe

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



11.2318, 0.6073, 0.3122



20.0626, 0.6113, 0.3141



14.0729, 0.5958, 0.3648



9.5667, 0.3258, 0.3244



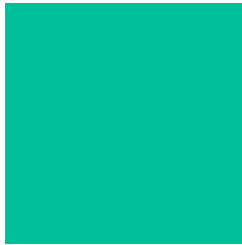
7.3811, 0.6051, 0.3107



0.2985, 0.5396, 0.2746

Previews

White Background



This preview shows how the Yxy color 39.5615, 0.2428, 0.3939 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 39.5615, 0.2428, 0.3939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

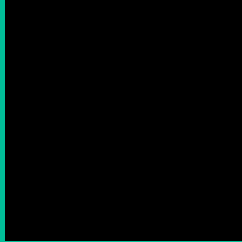
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.5615, 0.2428, 0.3939

Background



This preview shows how black text looks on a background with the Yxy color 39.5615, 0.2428, 0.3939.

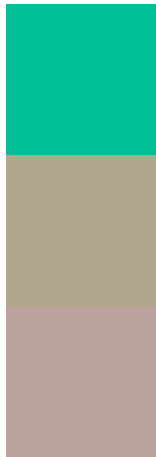


This preview shows how white text looks on a background with the Yxy color 39.5615, 0.2428, 0.3939.

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

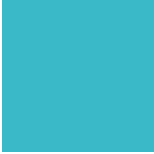
39.5680, 0.2428, 0.3939

Protanopia

38.9076, 0.3453, 0.3655

Deuteranopia

38.9087, 0.3397, 0.3331



Tritanopia

39.7676, 0.2270, 0.3058

Trichromacy



Original Color

39.5680, 0.2428, 0.3939



Protanomaly

36.6057, 0.2845, 0.3795



Deuteranomaly

36.2434, 0.2800, 0.3544



Tritanomaly

39.3529, 0.2307, 0.3352

Monochromacy



Original Color

39.5680, 0.2428, 0.3939



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

26.1305, 0.2634, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5615, 0.2428, 0.3939 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(1, 191, 153)` looks like.

```
.text, #text, p{  
    color:rgb(1, 191, 153)  
}
```

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(1, 191, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 191, 153) }
```

Border

The CSS property to change the border of an element to Yxy 39.5615, 0.2428, 0.3939 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(1, 191, 153) }
```

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

```
.border{ border-color:rgb(1, 191, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 191, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 191, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 191, 153);  
box-shadow:4px 4px 4px 4px rgb(1, 191,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5615, 0.2428, 0.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 191, 153) }
```

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

```
.background{ background-color: rgb(1, 191,  
153) }
```

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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