

Converting Colors

Yxy(39.4851, 0.2458, 0.4049)

Have a look what the booklet for
Yxy(39.4851, 0.2458, 0.4049)
contains.

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Color

Yxy(39.3682, 0.2458, 0.4050)

Conversions

Conversions Part 1

Format	Color
Hex	00BF93
RGB	0, 191, 147
RGB Percent	0%, 75%, 58%
CMY	1.0000, 0.2509, 0.4235
CMYK	1.00, 0.00, 0.23, 0.25
HSL	166°, 100%, 37%
HSV	166°, 100%, 75%
XYZ	23.8931, 39.3682, 33.9441
YIQ	128.8750, -99.7120, -54.1760

Conversions

Conversions Part 2

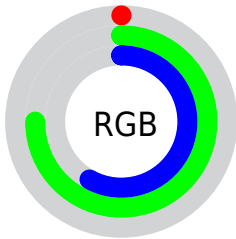
Format	Color
RYB	0, 108, 191
Decimal	49043
CIELab	69.02, -50.89, 10.97
CIELCh	69, 52.062, 167.837
Yxy	39.3682, 0.2458, 0.4050
Android (android.graphics.Color)	4278239123 (0xFF00BF93)
YUV	128.8750, 8.9356, -113.0234
Hunter-Lab	62.7441, -41.8289, 11.8454

Details

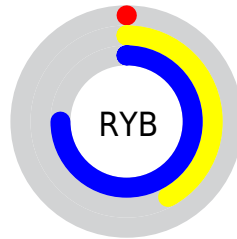
The Yxy color **39.3682, 0.2458, 0.4050** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.2595, 0.5995, 0.3076**, and the grayscale version is **21.9034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0045, 0.2590, 0.3891**, and **18.4528, 0.2514, 0.4250** is the 20% darker color. If you saturate the color by 10%, you get **39.3726, 0.2458, 0.4050**, and if you desaturate by 10%, it is **39.6529, 0.2453, 0.3966**.

Distribution



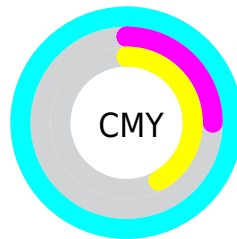
- Red (0%)
- Green (75%)
- Blue (58%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3682, 0.2458, 0.4050 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 39.3682, 0.2458, 0.4050 by changing the saturation by 10% instead.


 39.3682, 0.2458,
0.4050


 39.3682, 0.2458,
0.4050


343.4534, 0.2808,
0.3643


 27.0463, 0.2366,
0.4161


 74.2005, 0.2589,
0.3895


 17.6080, 0.2245,
0.4310


 97.4796, 0.2637,
0.3839


 10.6689, 0.2080,
0.4518


 125.1799, 0.2677,
0.3793

 5.8447, 0.1843,
0.4829

 157.6859, 0.2711,
0.3753

 2.7509, 0.1473,
0.5341

 195.3818, 0.2740,
0.3720

 1.0031, 0.0000,
0.7581

238.6521, 0.2766,

 0.0000, 0.0000,

0.3691

0.0000

287.8811, 0.2788,
0.3665

■ 39.3682, 0.2458,
0.4050

■ 39.3682, 0.2458,
0.4050

■ 39.3726, 0.2458,
0.4050

■ 39.6529, 0.2453,
0.3966

■ 40.0755, 0.2462,
0.3881

■ 40.6899, 0.2491,
0.3796

■ 41.5213, 0.2539,
0.3712

■ 42.5907, 0.2606,
0.3631

■ 43.9170, 0.2688,
0.3553

■ 45.5168, 0.2785,
0.3479

■ 47.4055, 0.2892,
0.3410

■ 49.5974, 0.3007,
0.3347

Harmonies

Analogous

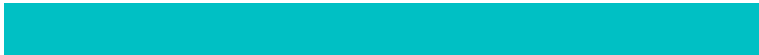
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.3682, 0.3149, 0.4626



39.3682, 0.2458, 0.4050



39.3682, 0.1983, 0.3227

Triad

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



39.3682, 0.2458, 0.4050



39.3682, 0.2303, 0.2133



39.3682, 0.4653, 0.3725

Complementary

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



39.3682, 0.2458, 0.4050



11.2595, 0.5995, 0.3076

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.



39.3682, 0.4399, 0.3163



39.3682, 0.2458, 0.4050



39.3682, 0.2950, 0.2298

Square

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



39.3682, 0.2458, 0.4050



39.3682, 0.1915, 0.2208



39.3682, 0.3738, 0.2662



39.3682, 0.4435, 0.4271

Rectangle

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



39.3682, 0.2458, 0.4050



39.3682, 0.1831, 0.2753



39.3682, 0.3738, 0.2662



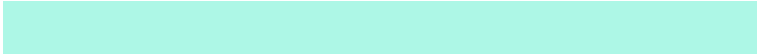
39.3682, 0.4623, 0.3535

Sweetspot

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



39.3726, 0.2458, 0.4050



81.3640, 0.2780, 0.3482



37.8140, 0.3089, 0.5930



17.5870, 0.2738, 0.3513



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.



39.3726, 0.2458, 0.4050



70.4694, 0.2462, 0.4063



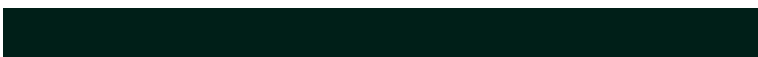
22.5398, 0.2000, 0.2398



10.7709, 0.3015, 0.3343



25.8850, 0.2455, 0.4038



1.0233, 0.2399, 0.3837

Inverse Universe

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



11.2595, 0.5995, 0.3076



20.1331, 0.6030, 0.3095



13.4397, 0.6044, 0.3583



9.5714, 0.3253, 0.3237



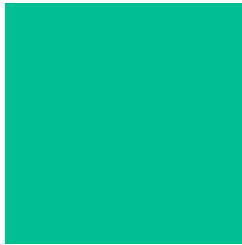
7.4092, 0.5963, 0.3058



0.3006, 0.5276, 0.2680

Previews

White Background



This preview shows how the Yxy color 39.3682, 0.2458, 0.4050 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 39.3682, 0.2458, 0.4050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

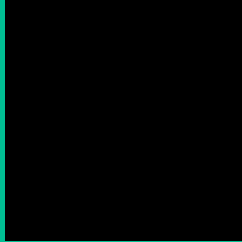
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.3682, 0.2458, 0.4050

Background



This preview shows how black text looks on a background with the Yxy color 39.3682, 0.2458, 0.4050.

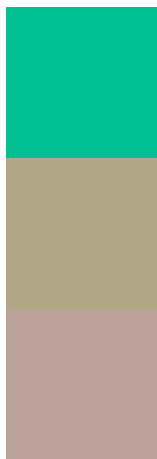


This preview shows how white text looks on a background with the Yxy color 39.3682, 0.2458, 0.4050.

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

39.3682, 0.2458, 0.4050

Protanopia

38.7338, 0.3508, 0.3741

Deuteranopia

38.5142, 0.3456, 0.3385



Tritanopia

39.3652, 0.2276, 0.3057

Trichromacy



Original Color

39.3682, 0.2458, 0.4050



Protanomaly

36.4255, 0.2889, 0.3898



Deuteranomaly

35.7325, 0.2851, 0.3627



Tritanomaly

39.2480, 0.2323, 0.3401

Monochromacy



Original Color

39.3682, 0.2458, 0.4050



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.0279, 0.2642, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3682, 0.2458, 0.4050 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 147) }
```

Border

The CSS property to change the border of an element to Yxy 39.3682, 0.2458, 0.4050 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, 147) }
```

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

```
.border{ border-color:rgb(0, 191, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3682, 0.2458, 0.4050 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, 147) }
```

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

```
.background{ background-color: rgb(0, 191,  
147) }
```

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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