

Converting Colors

$Y_{xy}(39.0034, 0.2544, 0.4360)$

Have a look what the booklet for
Yxy(39.0034, 0.2544, 0.4360)
contains.

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Color

Yxy(38.9003, 0.2542, 0.4351)

Conversions

Conversions Part 1

Format	Color
Hex	00BF83
RGB	0, 191, 131
RGB Percent	0%, 75%, 51%
CMY	0.9999, 0.2510, 0.4863
CMYK	1.00, 0.00, 0.31, 0.25
HSL	161°, 100%, 37%
HSV	161°, 100%, 75%
XYZ	22.7269, 38.9003, 27.7783
YIQ	127.0510, -94.5760, -59.1520

Conversions

Conversions Part 2

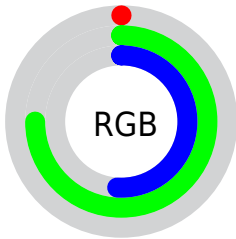
Format	Color
RYB	0, 113, 191
Decimal	49027
CIELab	68.68, -54.66, 19.15
CIELCh	69, 57.914, 160.689
Yxy	38.9003, 0.2542, 0.4351
Android (android.graphics.Color)	4278239107 (0xFF00BF83)
YUV	127.0510, 1.9469, -111.4237
Hunter-Lab	62.3701, -44.1046, 17.2526

Details

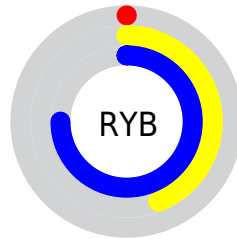
The Yxy color **38.9003, 0.2542, 0.4351** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **11.4042, 0.5717, 0.2923**, and the grayscale version is **21.2627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1922, 0.2663, 0.4125**, and **18.2024, 0.2622, 0.4638** is the 20% darker color. If you saturate the color by 10%, you get **38.9014, 0.2542, 0.4351**, and if you desaturate by 10%, it is **39.2089, 0.2528, 0.4233**.

Distribution



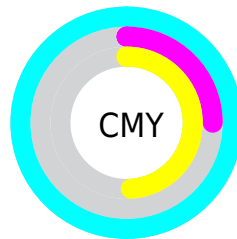
- Red (0%)
- Green (75%)
- Blue (51%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9003, 0.2542, 0.4351 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 38.9003, 0.2542, 0.4351 by changing the saturation by 10% instead.

 38.9003, 0.2542,
0.4351


 38.9003, 0.2542,
0.4351


341.4664, 0.2859,
0.3770


 26.6822, 0.2455,
0.4514


 73.4860, 0.2663,
0.4127

 17.3347, 0.2338,
0.4734


 96.6223, 0.2707,
0.4047


 10.4734, 0.2174,
0.5046


 124.1669, 0.2743,
0.3981

 5.7139, 0.1928,
0.5522

 156.5040, 0.2773,
0.3925

 2.6719, 0.1497,
0.6338

 194.0182, 0.2799,
0.3878

 0.9630, 0.0000,
1.0000

 237.0937, 0.2822,

 0.0000, 0.0000,

0.3837

0.0000

286.1150, 0.2841,
0.3802

■ 38.9003, 0.2542,
0.4351

■ 38.9003, 0.2542,
0.4351

■ 38.9014, 0.2542,
0.4351

■ 39.2089, 0.2528,
0.4233

■ 39.6627, 0.2530,
0.4114

■ 40.3127, 0.2552,
0.3994

■ 41.1840, 0.2594,
0.3876

■ 42.2979, 0.2654,
0.3762

■ 43.6733, 0.2729,
0.3652

■ 45.3269, 0.2817,
0.3550

■ 47.2742, 0.2914,
0.3455

■ 49.5295, 0.3019,
0.3368

Harmonies

Analogous

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



38.9003, 0.3330, 0.4861



38.9003, 0.2542, 0.4351



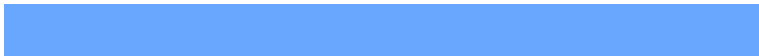
38.9003, 0.1958, 0.3426

Triad

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



38.9003, 0.2542, 0.4351



38.9003, 0.2091, 0.2016



38.9003, 0.4807, 0.3597

Complementary

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



38.9003, 0.2542, 0.4351



11.4042, 0.5717, 0.2923

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.



38.9003, 0.4403, 0.3000



38.9003, 0.2542, 0.4351



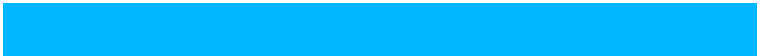
38.9003, 0.2732, 0.2140

Square

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



38.9003, 0.2542, 0.4351



38.9003, 0.1744, 0.2157



38.9003, 0.3593, 0.2487



38.9003, 0.4666, 0.4211

Rectangle

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



38.9003, 0.2542, 0.4351



38.9003, 0.1746, 0.2853



38.9003, 0.3593, 0.2487



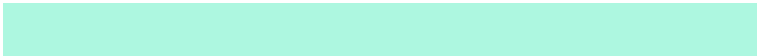
38.9003, 0.4733, 0.3393

Sweetspot

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



38.9018, 0.2542, 0.4351



81.0200, 0.2812, 0.3555



38.2398, 0.3155, 0.5877



17.5023, 0.2773, 0.3598



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.



38.9018, 0.2542, 0.4351



69.6236, 0.2547, 0.4369



27.5361, 0.2081, 0.2691



10.7571, 0.3026, 0.3363



25.5794, 0.2538, 0.4335



1.0133, 0.2459, 0.4053

Inverse Universe

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



11.4042, 0.5717, 0.2923



20.3841, 0.5756, 0.2945



12.2814, 0.6209, 0.3452



9.5844, 0.3240, 0.3218



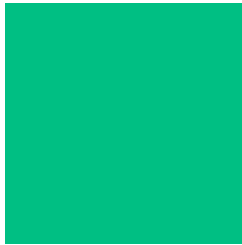
7.5068, 0.5682, 0.2904



0.3062, 0.4985, 0.2520

Previews

White Background



This preview shows how the Yxy color 38.9003, 0.2542, 0.4351 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 38.9003, 0.2542, 0.4351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

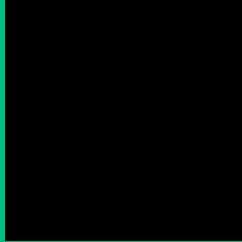
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9003, 0.2542, 0.4351

Background



This preview shows how black text looks on a background with the Yxy color 38.9003, 0.2542, 0.4351.

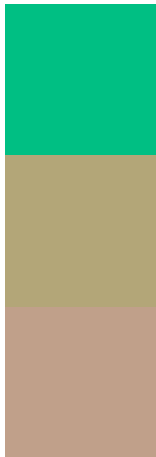


This preview shows how white text looks on a background with the Yxy color 38.9003, 0.2542, 0.4351.

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

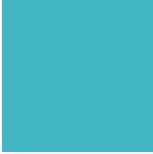
38.9003, 0.2542, 0.4351

Protanopia

38.2122, 0.3668, 0.3935

Deuteranopia

38.1831, 0.3654, 0.3587



Tritanopia

39.0220, 0.2298, 0.3072

Trichromacy



Original Color

38.9003, 0.2542, 0.4351



Protanomaly

35.6926, 0.3006, 0.4141



Deuteranomaly

35.0127, 0.2988, 0.3880



Tritanomaly

38.6064, 0.2360, 0.3502

Monochromacy



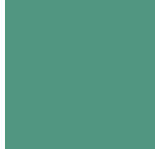
Original Color

38.9003, 0.2542, 0.4351



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

25.1205, 0.2691, 0.3715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9003, 0.2542, 0.4351 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 131) }
```

Border

The CSS property to change the border of an element to Yxy 38.9003, 0.2542, 0.4351 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, 131) }
```

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

```
.border{ border-color:rgb(0, 191, 131) }
```

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, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9003, 0.2542, 0.4351 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, 131) }
```

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

```
.background{ background-color: rgb(0, 191,  
131) }
```

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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