

Converting Colors

$Y_{xy}(39.3949, 0.2338, 0.3559)$

Have a look what the booklet for
Yxy(39.3949, 0.2338, 0.3559)
contains.

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Color

Yxy(39.5122, 0.2340, 0.3569)

Conversions

Conversions Part 1

Format	Color
Hex	13BDAC
RGB	19, 189, 172
RGB Percent	7%, 74%, 67%
CMY	0.9272, 0.2588, 0.3255
CMYK	0.90, 0.00, 0.09, 0.26
HSL	174°, 82%, 41%
HSV	174°, 90%, 74%
XYZ	25.9060, 39.5122, 45.2912
YIQ	136.2320, -95.8630, -41.3270

Conversions

Conversions Part 2

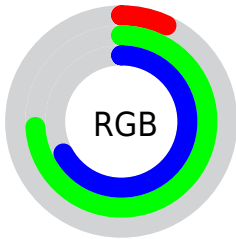
Format	Color
RYB	19, 108, 189
Decimal	1293740
CIELab	69.12, -42.72, -2.54
CIElCh	69, 42.791, 183.398
Yxy	39.5122, 0.2340, 0.3569
Android (android.graphics.Color)	4279483820 (0xFF13BDAC)
YUV	136.2320, 17.6336, -102.8125
Hunter-Lab	62.8587, -36.4375, 1.2812

Details

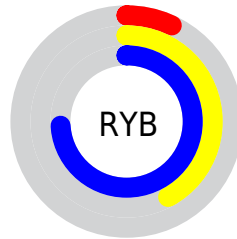
The Yxy color **39.5122, 0.2340, 0.3569** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.3964, 0.6043, 0.3199**, and the grayscale version is **24.6227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4006, 0.2487, 0.3523**, and **18.6840, 0.2342, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **39.3089, 0.2334, 0.3602**, and if you desaturate by 10%, it is **39.8546, 0.2360, 0.3535**.

Distribution



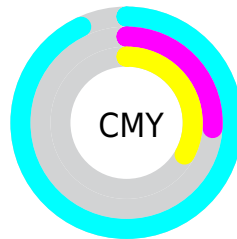
- Red (7%)
- Green (74%)
- Blue (67%)



- Red (7%)
- Yellow (42%)
- Blue (74%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (26%)





- Cyan (93%)
- Magenta (26%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5122, 0.2340, 0.3569 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 39.5122, 0.2340, 0.3569 by changing the saturation by 10% instead.

 39.5122, 0.2340,
0.3569


 39.5122, 0.2340,
0.3569

344.0633, 0.2738,
0.3431

 27.1584, 0.2240,
0.3603


 74.4201, 0.2485,
0.3519


 17.6922, 0.2111,
0.3645


 97.7431, 0.2540,
0.3501


 10.7293, 0.1940,
0.3700


 125.4912, 0.2586,
0.3485

 5.8851, 0.1704,
0.3773

 158.0489, 0.2625,
0.3471

 2.7753, 0.1361,
0.3871

 195.8005, 0.2659,
0.3459

 1.0156, 0.0000,
0.4364

239.1306, 0.2689,

 0.0000, 0.0000,

0.3449

0.0000

288.4233, 0.2715,
0.3439

■ 39.5122, 0.2340,
0.3569

■ 39.5122, 0.2340,
0.3569

■ 39.3089, 0.2334,
0.3602

■ 39.8546, 0.2360,
0.3535

■ 40.3780, 0.2399,
0.3501

■ 41.1083, 0.2456,
0.3467

■ 42.0664, 0.2532,
0.3434

■ 43.2703, 0.2626,
0.3401

■ 44.7363, 0.2734,
0.3371

■ 46.4795, 0.2856,
0.3342

■ 48.5135, 0.2987,
0.3315

■ 50.8514, 0.3125,
0.3290

Harmonies

Analogous

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



39.5122, 0.2848, 0.4169



39.5122, 0.2340, 0.3569



39.5122, 0.2055, 0.2941

Triad

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



39.5122, 0.2340, 0.3569



39.5122, 0.2703, 0.2359



39.5122, 0.4347, 0.3926

Complementary

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



39.5122, 0.2340, 0.3569



11.3964, 0.6043, 0.3199

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.



39.5122, 0.4331, 0.3448



39.5122, 0.2340, 0.3569



39.5122, 0.3322, 0.2595

Square

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



39.5122, 0.2340, 0.3569



39.5122, 0.2250, 0.2318



39.5122, 0.3941, 0.2980



39.5122, 0.4014, 0.4312

Rectangle

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



39.5122, 0.2340, 0.3569



39.5122, 0.2009, 0.2623



39.5122, 0.3941, 0.2980



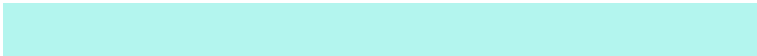
39.5122, 0.4385, 0.3771

Sweetspot

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



39.5137, 0.2340, 0.3569



80.9174, 0.2767, 0.3362



36.8146, 0.3042, 0.5886



17.1868, 0.2727, 0.3373



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.5137, 0.2340, 0.3569



70.3707, 0.2335, 0.3607



17.4429, 0.1928, 0.2067



10.7927, 0.2998, 0.3313



26.4505, 0.2333, 0.3598



1.0409, 0.2310, 0.3517

Inverse Universe

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



11.3964, 0.6043, 0.3199



19.4443, 0.6308, 0.3249



17.6408, 0.5462, 0.3934



9.5514, 0.3273, 0.3267



7.3160, 0.6268, 0.3227



0.2918, 0.5841, 0.2991

Previews

White Background



This preview shows how the Yxy color 39.5122, 0.2340, 0.3569 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 39.5122, 0.2340, 0.3569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

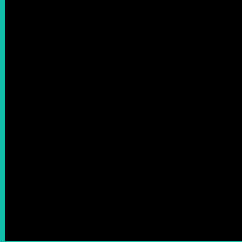
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

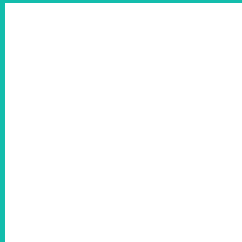
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.5122, 0.2340, 0.3569

Background



This preview shows how black text looks on a background with the Yxy color 39.5122, 0.2340, 0.3569.

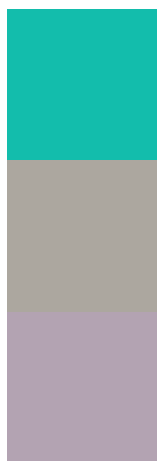


This preview shows how white text looks on a background with the Yxy color 39.5122, 0.2340, 0.3569.

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

39.5122, 0.2340, 0.3569

Protanopia

38.9113, 0.3243, 0.3403

Deuteranopia

38.9924, 0.3146, 0.3088



Tritanopia

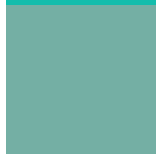
39.5462, 0.2248, 0.3057

Trichromacy



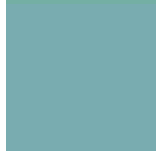
Original Color

39.5122, 0.2340, 0.3569



Protanomaly

37.0533, 0.2732, 0.3462



Deuteranomaly

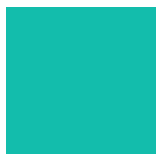
36.7046, 0.2679, 0.3227



Tritanomaly

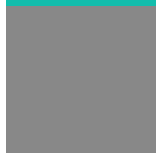
39.2669, 0.2274, 0.3224

Monochromacy



Original Color

39.5122, 0.2340, 0.3569



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.9398, 0.2632, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5122, 0.2340, 0.3569 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(19, 189, 172)` looks like.

```
.text, #text, p{  
    color:rgb(19, 189, 172)  
}
```

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(19, 189, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 189, 172) }
```

Border

The CSS property to change the border of an element to Yxy 39.5122, 0.2340, 0.3569 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(19, 189, 172) }
```

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

```
.border{ border-color:rgb(19, 189, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 189, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 189, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 189, 172);  
box-shadow:4px 4px 4px 4px rgb(19, 189,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5122, 0.2340, 0.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 189, 172) }
```

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

```
.background{ background-color: rgb(19, 189,  
172) }
```

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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