

Converting Colors

$Yxy(39.3972, 0.2344, 0.3330)$

Have a look what the booklet for
Yxy(39.3972, 0.2344, 0.3330)
contains.

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Color

Yxy(39.3489, 0.2347, 0.3336)

Conversions

Conversions Part 1

Format	Color
Hex	37BAB7
RGB	55, 186, 183
RGB Percent	22%, 73%, 72%
CMY	0.7839, 0.2706, 0.2825
CMYK	0.70, 0.00, 0.02, 0.27
HSL	179°, 54%, 47%
HSV	179°, 70%, 73%
XYZ	27.6834, 39.3489, 50.9200
YIQ	146.4890, -77.1130, -28.7050

Conversions

Conversions Part 2

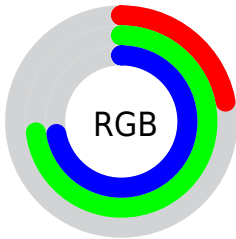
Format	Color
RYB	55, 121, 186
Decimal	3652279
CIELab	69.00, -34.96, -8.68
CIELCh	69, 36.022, 193.949
Yxy	39.3489, 0.2347, 0.3336
Android (android.graphics.Color)	4281842359 (0xFF37BAB7)
YUV	146.4890, 17.9999, -80.2359
Hunter-Lab	62.7287, -30.9997, -4.2186

Details

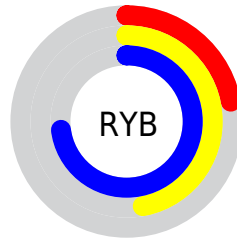
The Yxy color **39.3489, 0.2347, 0.3336** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **13.4886, 0.5418, 0.3264**, and the grayscale version is **28.9165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3981, 0.2489, 0.3336**, and **18.1142, 0.2259, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **38.9015, 0.2304, 0.3343**, and if you desaturate by 10%, it is **39.9973, 0.2409, 0.3329**.

Distribution



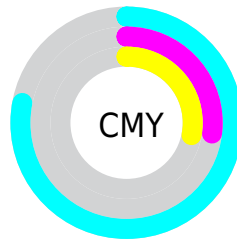
- Red (22%)
- Green (73%)
- Blue (72%)



- Red (22%)
- Yellow (47%)
- Blue (73%)



- Cyan (70%)
- Magenta (0%)
- Yellow (2%)
- Black (27%)




- Cyan (78%)
- Magenta (27%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3489, 0.2347, 0.3336 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 39.3489, 0.2347, 0.3336 by changing the saturation by 10% instead.

 39.3489, 0.2347,
0.3336


 39.3489, 0.2347,
0.3336

343.3716, 0.2739,
0.3322

 27.0313, 0.2249,
0.3336


 74.1710, 0.2489,
0.3333

 17.5967, 0.2125,
0.3334


 97.4443, 0.2543,
0.3332


 10.6608, 0.1960,
0.3328

 125.1382, 0.2588,
0.3330

 5.8393, 0.1734,
0.3311

 157.6372, 0.2627,
0.3328

 2.7476, 0.1408,
0.3267

 195.3256, 0.2660,
0.3327

 1.0014, 0.0315,
0.3353

238.5879, 0.2690,

 0.0000, 0.0000,

0.3325

0.0000

287.8084, 0.2716,
0.3324

■ 39.3489, 0.2347,
0.3336

■ 39.3489, 0.2347,
0.3336

■ 38.9015, 0.2304,
0.3343

■ 39.9973, 0.2409,
0.3329

■ 38.6271, 0.2278,
0.3351

■ 40.8623, 0.2490,
0.3321

■ 38.4822, 0.2266,
0.3358

■ 41.9627, 0.2589,
0.3314

■ 43.3142, 0.2704,
0.3308

■ 44.9314, 0.2833,
0.3301

■ 46.8273, 0.2973,
0.3296

■ 49.0145, 0.3122,
0.3290

■ 51.5045, 0.3275,
0.3285

■ 54.3085, 0.3431,
0.3281

Harmonies

Analogous

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



39.3489, 0.2728, 0.3865



39.3489, 0.2347, 0.3336



39.3489, 0.2173, 0.2850

Triad

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



39.3489, 0.2347, 0.3336



39.3489, 0.2945, 0.2542



39.3489, 0.4095, 0.3976

Complementary

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



39.3489, 0.2347, 0.3336



13.4886, 0.5418, 0.3264

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.



39.3489, 0.4185, 0.3587



39.3489, 0.2347, 0.3336



39.3489, 0.3488, 0.2799

Square

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



39.3489, 0.2347, 0.3336



39.3489, 0.2494, 0.2446



39.3489, 0.3959, 0.3169



39.3489, 0.3740, 0.4228

Rectangle

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



39.3489, 0.2347, 0.3336



39.3489, 0.2183, 0.2622



39.3489, 0.3959, 0.3169



39.3489, 0.4159, 0.3855

Sweetspot

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



39.3504, 0.2347, 0.3336



81.1338, 0.2820, 0.3302



36.3385, 0.3043, 0.5505



17.6801, 0.2783, 0.3304



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.



39.3504, 0.2347, 0.3336



70.2262, 0.2289, 0.3347



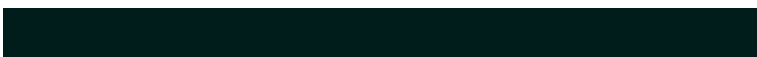
19.0067, 0.2067, 0.2211



10.2070, 0.2988, 0.3295



25.8917, 0.2266, 0.3357



0.9139, 0.2261, 0.3338

Inverse Universe

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



13.4886, 0.5418, 0.3264



20.5347, 0.6039, 0.3275



23.2508, 0.4762, 0.4069



9.0155, 0.3284, 0.3285



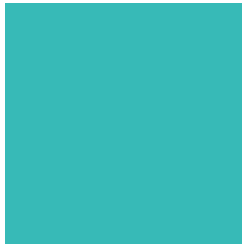
7.0310, 0.6371, 0.3283



0.2490, 0.6251, 0.3217

Previews

White Background



This preview shows how the Yxy color 39.3489, 0.2347, 0.3336 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 39.3489, 0.2347, 0.3336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

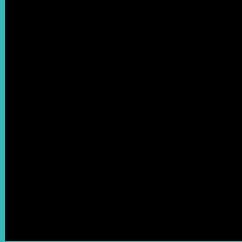
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

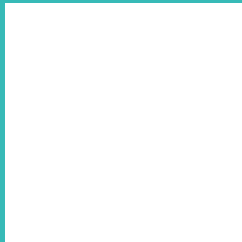
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.3489, 0.2347, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 39.3489, 0.2347, 0.3336.

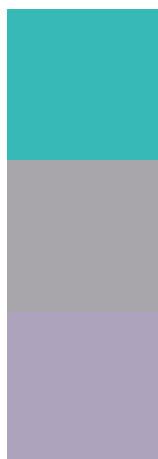


This preview shows how white text looks on a background with the Yxy color 39.3489, 0.2347, 0.3336.

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

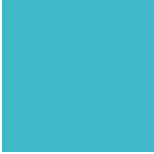
39.3489, 0.2347, 0.3336

Protanopia

38.6477, 0.3112, 0.3220

Deuteranopia

38.8239, 0.3015, 0.2954



Tritanopia

39.4945, 0.2289, 0.3058

Trichromacy



Original Color

39.3489, 0.2347, 0.3336



Protanomaly

37.5715, 0.2739, 0.3259



Deuteranomaly

37.4963, 0.2682, 0.3067



Tritanomaly

39.5403, 0.2312, 0.3163

Monochromacy



Original Color

39.3489, 0.2347, 0.3336



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.6052, 0.2722, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3489, 0.2347, 0.3336 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(55, 186, 183)` looks like.

```
.text, #text, p{  
    color:rgb(55, 186, 183)  
}
```

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(55, 186, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 186, 183) }
```

Border

The CSS property to change the border of an element to Yxy 39.3489, 0.2347, 0.3336 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(55, 186, 183) }
```

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

```
.border{ border-color:rgb(55, 186, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 186, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 186, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 186, 183);  
box-shadow:4px 4px 4px 4px rgb(55, 186,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3489, 0.2347, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 186, 183) }
```

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

```
.background{ background-color: rgb(55, 186,  
183) }
```

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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