

Converting Colors

$Yxy(39.7922, 0.2438, 0.3688)$

Have a look what the booklet for
Yxy(39.7922, 0.2438, 0.3688)
contains.

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Color

Yxy(39.7899, 0.2436, 0.3685)

Conversions

Conversions Part 1

Format	Color
Hex	32BDA5
RGB	50, 189, 165
RGB Percent	20%, 74%, 65%
CMY	0.8039, 0.2588, 0.3530
CMYK	0.74, 0.00, 0.13, 0.26
HSL	170°, 58%, 47%
HSV	170°, 74%, 74%
XYZ	26.3034, 39.7899, 41.8847
YIQ	144.7030, -75.1400, -36.9320

Conversions

Conversions Part 2

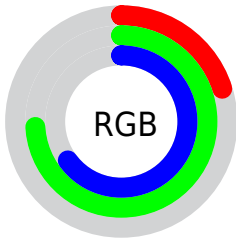
Format	Color
RYB	50, 126, 189
Decimal	3325349
CIELab	69.32, -41.92, 1.65
CIELCh	69, 41.957, 177.749
Yxy	39.7899, 0.2436, 0.3685
Android (android.graphics.Color)	4281515429 (0xFF32BDA5)
YUV	144.7030, 10.0064, -83.0545
Hunter-Lab	63.0792, -35.9558, 4.7868

Details

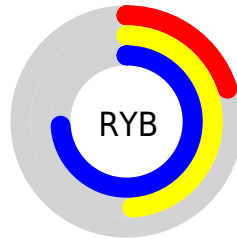
The Yxy color **39.7899, 0.2436, 0.3685** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **13.5957, 0.5211, 0.3032**, and the grayscale version is **28.1710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8607, 0.2565, 0.3609**, and **18.5202, 0.2389, 0.3799** is the 20% darker color. If you saturate the color by 10%, you get **39.2887, 0.2409, 0.3747**, and if you desaturate by 10%, it is **40.4954, 0.2482, 0.3624**.

Distribution



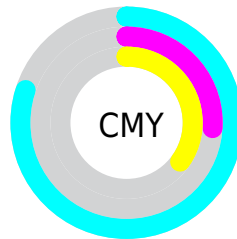
- Red (20%)
- Green (74%)
- Blue (65%)



- Red (20%)
- Yellow (49%)
- Blue (74%)



- Cyan (74%)
- Magenta (0%)
- Yellow (13%)
- Black (26%)





- Cyan (80%)
- Magenta (26%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.7899, 0.2436, 0.3685 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 39.7899, 0.2436, 0.3685 by changing the saturation by 10% instead.


 39.7899, 0.2436,
0.3685


 39.7899, 0.2436,
0.3685


345.2372, 0.2789,
0.3482


 27.3748, 0.2346,
0.3737


 74.8435, 0.2566,
0.3610


 17.8549, 0.2230,
0.3806


 98.2507, 0.2614,
0.3582


 10.8459, 0.2074,
0.3898


 126.0908, 0.2654,
0.3559

 5.9633, 0.1855,
0.4029

 158.7480, 0.2689,
0.3539

 2.8228, 0.1529,
0.4229

 196.6069, 0.2719,
0.3522

 1.0399, 0.0000,
0.5076

240.0518, 0.2745,

 0.0000, 0.0000,

0.3507

0.0000

289.4671, 0.2768,
0.3494

■ 39.7899, 0.2436,
0.3685

■ 39.7899, 0.2436,
0.3685

■ 39.2887, 0.2409,
0.3747

■ 40.4954, 0.2482,
0.3624

■ 38.9610, 0.2401,
0.3808

■ 41.4224, 0.2547,
0.3563

■ 38.8091, 0.2402,
0.3848

■ 42.5914, 0.2629,
0.3505

■ 44.0192, 0.2726,
0.3449

■ 45.7213, 0.2836,
0.3397

■ 47.7118, 0.2955,
0.3349

■ 50.0039, 0.3081,
0.3305

■ 52.6100, 0.3212,
0.3265

■ 55.5418, 0.3344,
0.3229

Harmonies

Analogous

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



39.7899, 0.2965, 0.4229



39.7899, 0.2436, 0.3685



39.7899, 0.2110, 0.3055

Triad

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



39.7899, 0.2436, 0.3685



39.7899, 0.2613, 0.2353



39.7899, 0.4347, 0.3831

Complementary

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



39.7899, 0.2436, 0.3685



13.5957, 0.5211, 0.3032

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.



39.7899, 0.4259, 0.3357



39.7899, 0.2436, 0.3685



39.7899, 0.3198, 0.2552

Square

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



39.7899, 0.2436, 0.3685



39.7899, 0.2207, 0.2354



39.7899, 0.3820, 0.2907



39.7899, 0.4080, 0.4235

Rectangle

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



39.7899, 0.2436, 0.3685



39.7899, 0.2032, 0.2716



39.7899, 0.3820, 0.2907



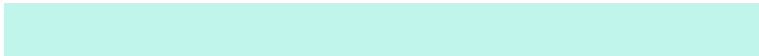
39.7899, 0.4360, 0.3675

Sweetspot

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



39.7914, 0.2436, 0.3685



82.2798, 0.2849, 0.3391



38.1430, 0.3143, 0.5520



17.5022, 0.2818, 0.3405



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.



39.7914, 0.2436, 0.3685



69.9839, 0.2402, 0.3783



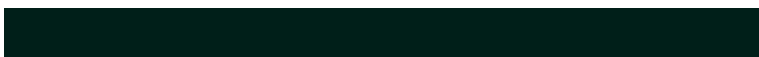
24.5996, 0.2126, 0.2535



10.7805, 0.3007, 0.3330



26.1207, 0.2400, 0.3840



1.0308, 0.2359, 0.3693

Inverse Universe

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



13.5957, 0.5211, 0.3032



20.6742, 0.5836, 0.3091



19.0589, 0.5116, 0.3814



9.5626, 0.3262, 0.3251



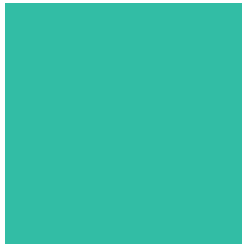
7.3599, 0.6119, 0.3145



0.2967, 0.5506, 0.2807

Previews

White Background



This preview shows how the Yxy color 39.7899, 0.2436, 0.3685 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 39.7899, 0.2436, 0.3685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

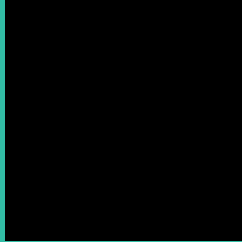
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

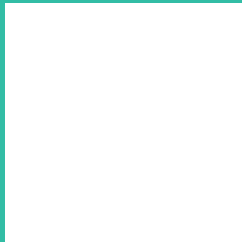
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7899, 0.2436, 0.3685

Background



This preview shows how black text looks on a background with the Yxy color 39.7899, 0.2436, 0.3685.

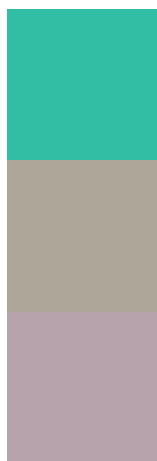


This preview shows how white text looks on a background with the Yxy color 39.7899, 0.2436, 0.3685.

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

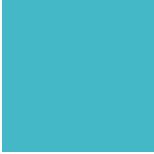
39.7899, 0.2436, 0.3685

Protanopia

38.9360, 0.3316, 0.3487

Deuteranopia

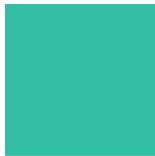
39.2019, 0.3246, 0.3183



Tritanopia

39.6697, 0.2306, 0.3059

Trichromacy



Original Color

39.7899, 0.2436, 0.3685



Protanomaly

37.7614, 0.2880, 0.3569



Deuteranomaly

37.5205, 0.2835, 0.3334



Tritanomaly

39.7298, 0.2348, 0.3272

Monochromacy



Original Color

39.7899, 0.2436, 0.3685



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.0717, 0.2751, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7899, 0.2436, 0.3685 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(50, 189, 165)` looks like.

```
.text, #text, p{  
    color:rgb(50, 189, 165)  
}
```

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(50, 189, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 189, 165) }
```

Border

The CSS property to change the border of an element to Yxy 39.7899, 0.2436, 0.3685 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(50, 189, 165) }
```

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

```
.border{ border-color:rgb(50, 189, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 189, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 189, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 189, 165);  
box-shadow:4px 4px 4px 4px rgb(50, 189,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7899, 0.2436, 0.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 189, 165) }
```

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

```
.background{ background-color: rgb(50, 189,  
165) }
```

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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