

Converting Colors

$Y_{xy}(39.2506, 0.2442, 0.3797)$

Have a look what the booklet for
Yxy(39.2506, 0.2442, 0.3797)
contains.

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Color

Yxy(39.3495, 0.2442, 0.3793)

Conversions

Conversions Part 1

Format	Color
Hex	28BD9F
RGB	40, 189, 159
RGB Percent	16%, 74%, 62%
CMY	0.8426, 0.2588, 0.3765
CMYK	0.79, 0.00, 0.16, 0.26
HSL	168°, 65%, 45%
HSV	168°, 79%, 74%
XYZ	25.3339, 39.3495, 39.0590
YIQ	141.0290, -79.1740, -40.9180

Conversions

Conversions Part 2

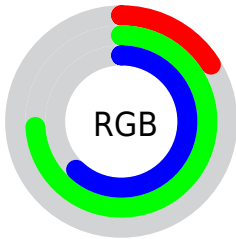
Format	Color
RYB	40, 123, 189
Decimal	2669983
CIELab	69.00, -44.62, 4.45
CIELCh	69, 44.837, 174.303
Yxy	39.3495, 0.2442, 0.3793
Android (android.graphics.Color)	4280860063 (0xFF28BD9F)
YUV	141.0290, 8.8597, -88.6024
Hunter-Lab	62.7292, -37.6868, 6.9928

Details

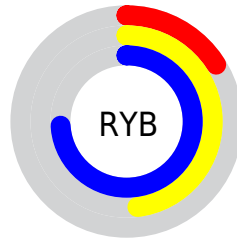
The Yxy color **39.3495, 0.2442, 0.3793** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **12.7887, 0.5350, 0.2993**, and the grayscale version is **26.6509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1461, 0.2570, 0.3689**, and **18.4107, 0.2423, 0.3924** is the 20% darker color. If you saturate the color by 10%, you get **38.9290, 0.2428, 0.3866**, and if you desaturate by 10%, it is **39.9623, 0.2476, 0.3720**.

Distribution



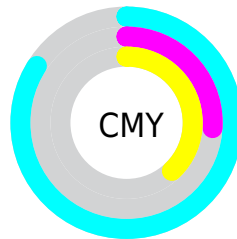
- Red (16%)
- Green (74%)
- Blue (62%)



- Red (16%)
- Yellow (48%)
- Blue (74%)



- Cyan (79%)
- Magenta (0%)
- Yellow (16%)
- Black (26%)



- Cyan (84%)
- Magenta (26%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3495, 0.2442, 0.3793 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 39.3495, 0.2442, 0.3793 by changing the saturation by 10% instead.


 39.3495, 0.2442,
0.3793


 39.3495, 0.2442,
0.3793


343.3741, 0.2794,
0.3530


 27.0317, 0.2351,
0.3862


 74.1719, 0.2572,
0.3695

 17.5970, 0.2234,
0.3954


 97.4454, 0.2620,
0.3658

 10.6611, 0.2075,
0.4080


 125.1395, 0.2661,
0.3628

 5.8394, 0.1850,
0.4263

 157.6387, 0.2695,
0.3603

 2.7477, 0.1511,
0.4551

 195.3274, 0.2725,
0.3581

 1.0015, 0.0000,
0.5640

238.5899, 0.2751,

 0.0000, 0.0000,

0.3561

0.0000

287.8107, 0.2774,
0.3545

■ 39.3495, 0.2442,
0.3793

■ 39.3495, 0.2442,
0.3793

■ 38.9290, 0.2428,
0.3866

■ 39.9623, 0.2476,
0.3720

■ 38.6560, 0.2429,
0.3939

■ 40.7867, 0.2529,
0.3648

■ 38.6256, 0.2430,
0.3948

■ 41.8445, 0.2599,
0.3578

■ 43.1537, 0.2687,
0.3510

■ 44.7303, 0.2787,
0.3447

■ 46.5892, 0.2899,
0.3388

■ 48.7440, 0.3018,
0.3334

■ 51.2076, 0.3143,
0.3284

■ 53.9919, 0.3270,
0.3240

Harmonies

Analogous

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



39.3495, 0.3021, 0.4352



39.3495, 0.2442, 0.3793



39.3495, 0.2070, 0.3105

Triad

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



39.3495, 0.2442, 0.3793



39.3495, 0.2516, 0.2284



39.3495, 0.4443, 0.3801

Complementary

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



39.3495, 0.2442, 0.3793



12.7887, 0.5350, 0.2993

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.



39.3495, 0.4304, 0.3298



39.3495, 0.2442, 0.3793



39.3495, 0.3122, 0.2472

Square

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



39.3495, 0.2442, 0.3793



39.3495, 0.2115, 0.2308



39.3495, 0.3798, 0.2831



39.3495, 0.4190, 0.4252

Rectangle

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



39.3495, 0.2442, 0.3793



39.3495, 0.1968, 0.2726



39.3495, 0.3798, 0.2831



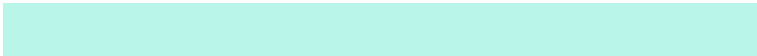
39.3495, 0.4443, 0.3634

Sweetspot

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



39.3510, 0.2442, 0.3793



81.5099, 0.2835, 0.3420



37.9408, 0.3156, 0.5625



17.2826, 0.2796, 0.3442



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.



39.3510, 0.2442, 0.3793



69.3379, 0.2429, 0.3922



24.9388, 0.2104, 0.2563



10.7757, 0.3011, 0.3337



26.0004, 0.2427, 0.3938



1.0270, 0.2379, 0.3765

Inverse Universe

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



12.7887, 0.5350, 0.2993



19.9622, 0.5976, 0.3097



17.0539, 0.5366, 0.3749



9.5670, 0.3257, 0.3244



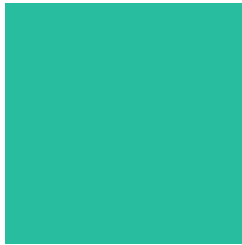
7.3828, 0.6045, 0.3104



0.2986, 0.5388, 0.2742

Previews

White Background



This preview shows how the Yxy color 39.3495, 0.2442, 0.3793 looks on a white background.

Color Contrast Check

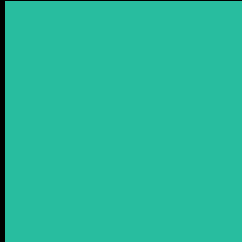
Large Text (above 18pt) WCAG AA × Fail

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 39.3495, 0.2442, 0.3793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

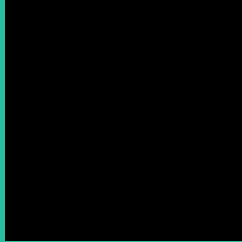
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

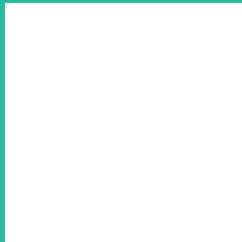
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.3495, 0.2442, 0.3793

Background



This preview shows how black text looks on a background with the Yxy color 39.3495, 0.2442, 0.3793.



This preview shows how white text looks on a background with the Yxy color 39.3495, 0.2442, 0.3793.

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

39.3495, 0.2442, 0.3793

Protanopia

38.8580, 0.3379, 0.3572

Deuteranopia

38.7476, 0.3311, 0.3250



Tritanopia

39.0680, 0.2293, 0.3057

Trichromacy



Original Color

39.3495, 0.2442, 0.3793



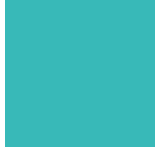
Protanomaly

37.3299, 0.2900, 0.3668



Deuteranomaly

37.0549, 0.2856, 0.3428



Tritanomaly

38.9994, 0.2341, 0.3304

Monochromacy



Original Color

39.3495, 0.2442, 0.3793



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

29.5349, 0.2729, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3495, 0.2442, 0.3793 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(40, 189, 159)` looks like.

```
.text, #text, p{  
    color:rgb(40, 189, 159)  
}
```

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(40, 189, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 189, 159) }
```

Border

The CSS property to change the border of an element to Yxy 39.3495, 0.2442, 0.3793 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(40, 189, 159) }
```

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

```
.border{ border-color:rgb(40, 189, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 189, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 189, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 189, 159);  
box-shadow:4px 4px 4px 4px rgb(40, 189,  
159) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 39.3495, 0.2442, 0.3793$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 189, 159) }
```

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

```
.background{ background-color: rgb(40, 189,  
159) }
```

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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