

Converting Colors

$Y_{xy}(39.7911, 0.2487, 0.4118)$

Have a look what the booklet for
Yxy(39.7911, 0.2487, 0.4118)
contains.

Yxy(39.7911, 0.2487, 0.4118)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.7911, 0.2487, 0.4118)

Conversions

Conversions Part 1

Format	Color
Hex	0CC090
RGB	12, 192, 144
RGB Percent	5%, 75%, 56%
CMY	0.9548, 0.2470, 0.4352
CMYK	0.94, 0.00, 0.25, 0.25
HSL	164°, 89%, 40%
HSV	164°, 94%, 75%
XYZ	24.0312, 39.7911, 32.8050
YIQ	132.7080, -91.8720, -53.0880

Conversions

Conversions Part 2

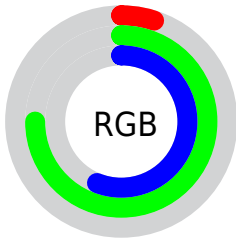
Format	Color
R_{YB}	12, 116, 192
Decimal	835728
CIE _{Lab}	69.32, -51.59, 13.03
CIE _{LCh}	69, 53.213, 165.830
Yxy	39.7911, 0.2487, 0.4118
Android (android.graphics.Color)	4279025808 (0xFF0CC090)
YUV	132.7080, 5.5670, -105.8609
Hunter-Lab	63.0802, -42.3885, 13.3223

Details

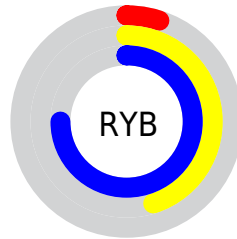
The Yxy color **39.7911, 0.2487, 0.4118** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.7809, 0.5705, 0.2964**, and the grayscale version is **23.2976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5953, 0.2612, 0.3942**, and **18.6995, 0.2533, 0.4320** is the 20% darker color. If you saturate the color by 10%, you get **39.6253, 0.2494, 0.4177**, and if you desaturate by 10%, it is **40.1647, 0.2486, 0.4019**.

Distribution



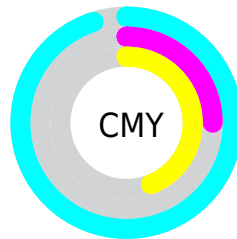
- Red (5%)
- Green (75%)
- Blue (56%)



- Red (5%)
- Yellow (45%)
- Blue (75%)



- Cyan (94%)
- Magenta (0%)
- Yellow (25%)
- Black (25%)





- Cyan (95%)
- Magenta (25%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7911, 0.2487, 0.4118 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 39.7911, 0.2487, 0.4118 by changing the saturation by 10% instead.


 39.7911, 0.2487,
0.4118

 39.7911, 0.2487,
0.4118


345.2423, 0.2823,
0.3673


 27.3757, 0.2398,
0.4240


 74.8453, 0.2613,
0.3948


 17.8556, 0.2280,
0.4404


 98.2529, 0.2659,
0.3887


 10.8464, 0.2119,
0.4633


 126.0934, 0.2698,
0.3836

 5.9636, 0.1886,
0.4978

 158.7511, 0.2731,
0.3793

 2.8230, 0.1520,
0.5547

 196.6104, 0.2759,
0.3756

 1.0400, 0.0000,
0.8302

240.0558, 0.2783,

 0.0000, 0.0000,

0.3725

0.0000

289.4716, 0.2805,
0.3697

■ 39.7911, 0.2487,
0.4118

■ 39.7911, 0.2487,
0.4118

■ 39.6253, 0.2494,
0.4177

■ 40.1647, 0.2486,
0.4019

■ 40.7209, 0.2504,
0.3919

■ 41.4888, 0.2542,
0.3820

■ 42.4913, 0.2598,
0.3724

■ 43.7482, 0.2672,
0.3631

■ 45.2774, 0.2760,
0.3543

■ 47.0948, 0.2859,
0.3460

■ 49.2154, 0.2967,
0.3385

■ 51.6530, 0.3081,
0.3316

Harmonies

Analogous

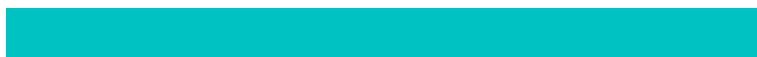
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.7911, 0.3197, 0.4673



39.7911, 0.2487, 0.4118



39.7911, 0.1987, 0.3278

Triad

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



39.7911, 0.2487, 0.4118



39.7911, 0.2255, 0.2112



39.7911, 0.4679, 0.3690

Complementary

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



39.7911, 0.2487, 0.4118



11.7809, 0.5705, 0.2964

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.



39.7911, 0.4388, 0.3123



39.7911, 0.2487, 0.4118



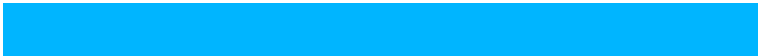
39.7911, 0.2895, 0.2265

Square

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



39.7911, 0.2487, 0.4118



39.7911, 0.1880, 0.2204



39.7911, 0.3695, 0.2622



39.7911, 0.4484, 0.4250

Rectangle

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



39.7911, 0.2487, 0.4118



39.7911, 0.1820, 0.2785



39.7911, 0.3695, 0.2622



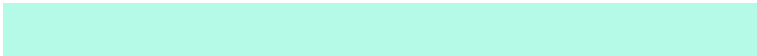
39.7911, 0.4637, 0.3498

Sweetspot

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



39.7927, 0.2487, 0.4118



83.7898, 0.2813, 0.3496



38.6793, 0.3138, 0.5848



17.6764, 0.2771, 0.3533



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.



39.7927, 0.2487, 0.4118



71.7465, 0.2498, 0.4192



25.6616, 0.2056, 0.2567



11.3812, 0.3019, 0.3352



26.6739, 0.2490, 0.4165



1.1634, 0.2429, 0.3945

Inverse Universe

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



11.7809, 0.5705, 0.2964



20.7043, 0.5923, 0.3037



13.8387, 0.5966, 0.3573



10.1209, 0.3248, 0.3229



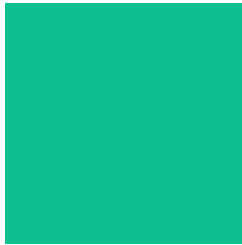
7.7131, 0.5853, 0.2998



0.3451, 0.5196, 0.2636

Previews

White Background



This preview shows how the Yxy color 39.7911, 0.2487, 0.4118 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 39.7911, 0.2487, 0.4118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

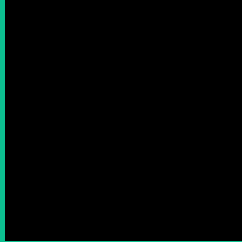
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7911, 0.2487, 0.4118

Background



This preview shows how black text looks on a background with the Yxy color 39.7911, 0.2487, 0.4118.

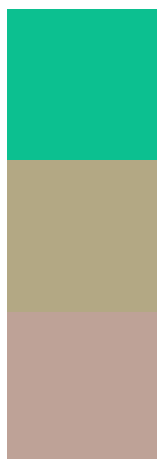


This preview shows how white text looks on a background with the Yxy color 39.7911, 0.2487, 0.4118.

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

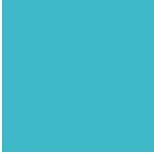
39.7911, 0.2487, 0.4118

Protanopia

39.2549, 0.3552, 0.3793

Deuteranopia

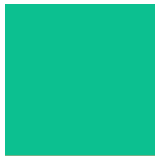
39.0222, 0.3502, 0.3439



Tritanopia

39.8922, 0.2282, 0.3059

Trichromacy



Original Color

39.7911, 0.2487, 0.4118



Protanomaly

37.0734, 0.2949, 0.3957



Deuteranomaly

36.3852, 0.2914, 0.3688



Tritanomaly

39.7972, 0.2340, 0.3417

Monochromacy



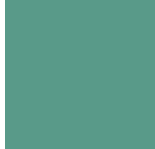
Original Color

39.7911, 0.2487, 0.4118



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

27.0412, 0.2690, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7911, 0.2487, 0.4118 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(12, 192, 144)` looks like.

```
.text, #text, p{  
    color:rgb(12, 192, 144)  
}
```

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(12, 192, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 192, 144) }
```

Border

The CSS property to change the border of an element to Yxy 39.7911, 0.2487, 0.4118 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(12, 192, 144) }
```

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

```
.border{ border-color:rgb(12, 192, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 192, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 192, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 192, 144);  
box-shadow:4px 4px 4px 4px rgb(12, 192,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7911, 0.2487, 0.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 192, 144) }
```

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

```
.background{ background-color: rgb(12, 192,  
144) }
```

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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