

# Converting Colors

$Yxy(39.3406, 0.3113, 0.3900)$

Have a look what the booklet for  
Yxy(39.3406, 0.3113, 0.3900)  
contains.

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# Color

**Yxy(39.2512, 0.3115, 0.3904)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CB28A
RGB	140, 178, 138
RGB Percent	55%, 70%, 54%
CMY	0.4511, 0.3019, 0.4588
CMYK	0.21, 0.00, 0.22, 0.30
HSL	117°, 21%, 62%
HSV	117°, 22%, 70%
XYZ	31.3185, 39.2512, 29.9713
YIQ	162.0780, -9.8080, -20.4960

# Conversions

## Conversions Part 2

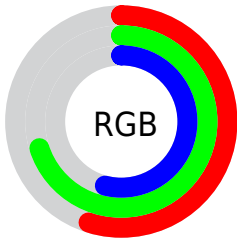
Format	Color
<a href="#">RYB</a>	<a href="#">138, 178, 176</a>
Decimal	<a href="#">9220746</a>
CIELab	<a href="#">68.93, -20.74, 16.34</a>
CIElCh	<a href="#">69, 26.402, 141.776</a>
Yxy	<a href="#">39.2512, 0.3115, 0.3904</a>
Android (android.graphics.Color)	<a href="#">4287410826 (0xFF8CB28A)</a>
YUV	<a href="#">162.0780, -11.8705, -19.3624</a>
Hunter-Lab	<a href="#">62.6508, -20.4084, 15.4920</a>

# Details

The Yxy color **39.2512, 0.3115, 0.3904** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.6291, 0.3133, 0.2738**, and the grayscale version is **36.2275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1207, 0.3118, 0.3777**, and **17.4957, 0.3100, 0.4105** is the 20% darker color. If you saturate the color by 10%, you get **37.4200, 0.3106, 0.4227**, and if you desaturate by 10%, it is **41.3965, 0.3122, 0.3610**.

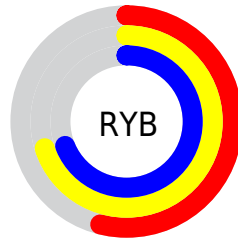
# Distribution



Red (55%)

Green (70%)

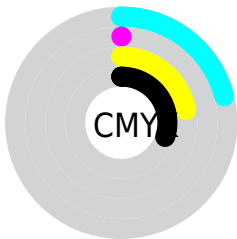
Blue (54%)



Red (54%)

Yellow (70%)

Blue (69%)

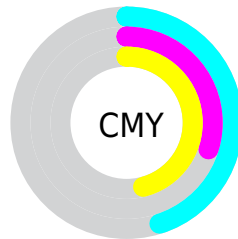


Cyan (21%)

Magenta (0%)

Yellow (22%)

Black (30%)



Cyan (45%)

Magenta (30%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.2512, 0.3115, 0.3904 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 39.2512, 0.3115, 0.3904 by changing the saturation by 10% instead.





 39.2512, 0.3115,  
0.3904


 39.2512, 0.3115,  
0.3904


342.9573, 0.3127,  
0.3577


 26.9552, 0.3110,  
0.3992


 74.0219, 0.3121,  
0.3780

 17.5396, 0.3101,  
0.4110


 97.2654, 0.3123,  
0.3735

 10.6199, 0.3087,  
0.4275


 124.9269, 0.3124,  
0.3698

 5.8119, 0.3059,  
0.4521

157.3907, 0.3125,  
0.3666

 2.7310, 0.3000,  
0.4924

195.0412, 0.3126,  
0.3639

 0.9930, 0.3039,  
0.6961

238.2629, 0.3126,

 0.0000, 0.0000,

0.3616

0.0000

287.4401, 0.3127,  
0.3595

■ 39.2512, 0.3115,  
0.3904

■ 39.2512, 0.3115,  
0.3904

■ 37.4200, 0.3106,  
0.4227

■ 41.3965, 0.3122,  
0.3610

■ 35.8834, 0.3095,  
0.4571

■ 43.8644, 0.3126,  
0.3350

■ 34.6276, 0.3082,  
0.4921


■ 46.6692, 0.3129,  
0.3121


■ 33.6355, 0.3066,  
0.5256


■ 49.8230, 0.3131,  
0.2923


■ 32.8884, 0.3049,  
0.5550


■ 53.3371, 0.3133,  
0.2752

 32.3649, 0.3033,  
0.5778

 57.2224, 0.3133,  
0.2604

 32.0401, 0.3017,  
0.5925

 60.3255, 0.3163,  
0.2537

 31.9018, 0.3011,  
0.5991

# Harmonies

## Analogous

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



39.2512, 0.3498, 0.3993



39.2512, 0.3115, 0.3904



39.2512, 0.2750, 0.3613

# Triad

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



39.2512, 0.3115, 0.3904



39.2512, 0.2488, 0.2700



39.2512, 0.3799, 0.3290

# Complementary

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



39.2512, 0.3115, 0.3904



30.6291, 0.3133, 0.2738

# 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.



39.2512, 0.3495, 0.2990



39.2512, 0.3115, 0.3904



39.2512, 0.2735, 0.2659

# Square

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



39.2512, 0.3115, 0.3904



39.2512, 0.2403, 0.2899



39.2512, 0.3100, 0.2765



39.2512, 0.3909, 0.3607



# Rectangle

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



39.2512, 0.3115, 0.3904



39.2512, 0.2564, 0.3360



39.2512, 0.3100, 0.2765



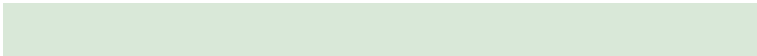
39.2512, 0.3715, 0.3185

# Sweetspot

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



39.2529, 0.3115, 0.3904



77.3800, 0.3124, 0.3467



42.3566, 0.3466, 0.3815



17.0853, 0.3124, 0.3482



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



39.2529, 0.3115, 0.3904



69.4442, 0.3111, 0.4062



39.6497, 0.2961, 0.3622



9.5093, 0.3123, 0.3525



22.8308, 0.3013, 0.5990



0.7249, 0.3068, 0.5946



# Inverse Universe

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



30.6291, 0.3133, 0.2738



51.0077, 0.3133, 0.2614



30.1828, 0.3337, 0.2980



8.6251, 0.3130, 0.3065



8.3658, 0.3089, 0.1475



0.2696, 0.3124, 0.1495



# Previews

## White Background



This preview shows how the Yxy color 39.2512, 0.3115, 0.3904 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

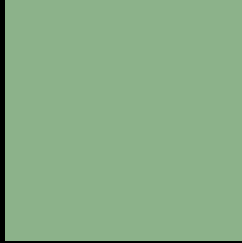
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.2512, 0.3115, 0.3904 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

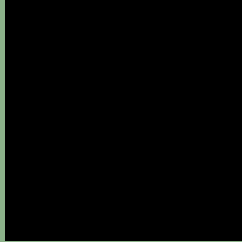
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.2512, 0.3115, 0.3904**

## Background



This preview shows how black text looks on a background with the Yxy color 39.2512, 0.3115, 0.3904.



This preview shows how white text looks on a background with the Yxy color 39.2512, 0.3115, 0.3904.

# 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

39.2512, 0.3115, 0.3904

### Protanopia

38.7959, 0.3536, 0.3768

### Deuteranopia

38.7503, 0.3632, 0.3559



## Tritanopia

39.3037, 0.2821, 0.3104

# Trichromacy



## Original Color

39.2512, 0.3115, 0.3904

## Protanomaly

38.7676, 0.3370, 0.3815

## Deuteranomaly

38.5296, 0.3433, 0.3673

## Tritanomaly

39.1190, 0.2926, 0.3378

# Monochromacy



## Original Color

39.2512, 0.3115, 0.3904

## Achromatopsia

36.1307, 0.3127, 0.3290

## Achromatomaly

37.1752, 0.3126, 0.3513

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.2512, 0.3115, 0.3904 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(140, 178, 138)` looks like.

```
.text, #text, p{  
    color:rgb(140, 178, 138)  
}
```

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(140, 178, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 178, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 39.2512, 0.3115, 0.3904 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(140, 178, 138) }
```

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

```
.border{ border-color:rgb(140, 178, 138) }
```

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

Here you see how a box with a 4 pixel rgb(140, 178, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 178, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 178, 138);  
box-shadow:4px 4px 4px 4px rgb(140, 178,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.2512, 0.3115, 0.3904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 178, 138) }
```

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

```
.background{ background-color: rgb(140,  
178, 138) }
```

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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