

Converting Colors

$Yxy(39.9440, 0.3101, 0.3852)$

Have a look what the booklet for
Yxy(39.9440, 0.3101, 0.3852)
contains.

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Color

Yxy(39.9440, 0.3101, 0.3852)

Conversions

Conversions Part 1

Format	Color
Hex	8EB38E
RGB	142, 179, 142
RGB Percent	56%, 70%, 56%
CMY	0.4431, 0.2980, 0.4432
CMYK	0.21, 0.00, 0.21, 0.30
HSL	120°, 20%, 63%
HSV	120°, 21%, 70%
XYZ	32.1564, 39.9440, 31.5964
YIQ	163.7190, -10.1750, -19.3510

Conversions

Conversions Part 2

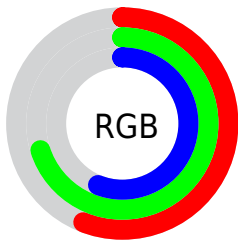
Format	Color
RYB	142, 179, 179
Decimal	9352078
CIELab	69.43, -19.83, 14.88
CIELCh	69, 24.793, 143.113
Yxy	39.9440, 0.3101, 0.3852
Android (android.graphics.Color)	4287542158 (0xFF8EB38E)
YUV	163.7190, -10.7075, -19.0476
Hunter-Lab	63.2013, -19.7826, 14.5998

Details

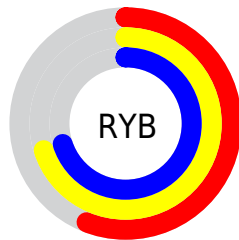
The Yxy color **39.9440, 0.3101, 0.3852** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.1754, 0.3151, 0.2785**, and the grayscale version is **37.0393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1379, 0.3106, 0.3738**, and **17.9186, 0.3081, 0.4028** is the 20% darker color. If you saturate the color by 10%, you get **37.9931, 0.3086, 0.4174**, and if you desaturate by 10%, it is **42.2385, 0.3114, 0.3562**.

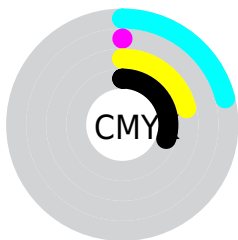
Distribution



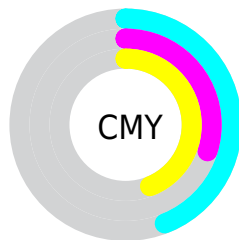
- Red (56%)
- Green (70%)
- Blue (56%)



- Red (56%)
- Yellow (70%)
- Blue (70%)



- Cyan (21%)
- Magenta (0%)
- Yellow (21%)
- Black (30%)





- Cyan (44%)
- Magenta (30%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9440, 0.3101, 0.3852 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 39.9440, 0.3101, 0.3852 by changing the saturation by 10% instead.


 39.9440, 0.3101,
0.3852


 39.9440, 0.3101,
0.3852


345.8875, 0.3119,
0.3554


 27.4949, 0.3094,
0.3932


 75.0782, 0.3109,
0.3740

 17.9452, 0.3085,
0.4039


 98.5321, 0.3112,
0.3699

 10.9107, 0.3069,
0.4187


 126.4231, 0.3114,
0.3665

 6.0068, 0.3041,
0.4408

159.1355, 0.3115,
0.3636

 2.8492, 0.2986,
0.4768

197.0537, 0.3117,
0.3611

 1.0535, 0.3065,
0.6355

240.5622, 0.3118,

 0.0000, 0.0000,

0.3590

0.0000

290.0453, 0.3119,
0.3571

■ 39.9440, 0.3101,
0.3852

■ 39.9440, 0.3101,
0.3852

■ 37.9931, 0.3086,
0.4174

■ 42.2385, 0.3114,
0.3562

■ 36.3647, 0.3070,
0.4519

■ 44.8868, 0.3126,
0.3306

■ 35.0428, 0.3053,
0.4874


■ 47.9046, 0.3137,
0.3084


■ 34.0082, 0.3037,
0.5217

■ 51.3055, 0.3146,
0.2892

■ 33.2397, 0.3023,
0.5522


■ 55.1023, 0.3153,
0.2727

 32.7129, 0.3012,
0.5761

 59.3070, 0.3160,
0.2586

 32.3992, 0.3004,
0.5918

 60.7226, 0.3162,
0.2546

 32.2433, 0.3000,
0.6000

Harmonies

Analogous

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



39.9440, 0.3461, 0.3946



39.9440, 0.3101, 0.3852



39.9440, 0.2762, 0.3576

Triad

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



39.9440, 0.3101, 0.3852



39.9440, 0.2535, 0.2733



39.9440, 0.3762, 0.3306

Complementary

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



39.9440, 0.3101, 0.3852



32.1754, 0.3151, 0.2785

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.



39.9440, 0.3486, 0.3021



39.9440, 0.3101, 0.3852



39.9440, 0.2774, 0.2699

Square

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



39.9440, 0.3101, 0.3852



39.9440, 0.2448, 0.2915



39.9440, 0.3120, 0.2804



39.9440, 0.3856, 0.3602

Rectangle

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



39.9440, 0.3101, 0.3852



39.9440, 0.2590, 0.3340



39.9440, 0.3120, 0.2804



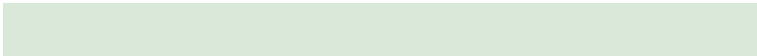
39.9440, 0.3687, 0.3206

Sweetspot

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



39.9457, 0.3101, 0.3852



77.7364, 0.3120, 0.3441



43.5324, 0.3435, 0.3788



17.1558, 0.3119, 0.3457



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.



39.9457, 0.3101, 0.3852



69.8062, 0.3094, 0.4001



40.5249, 0.2964, 0.3574



9.4904, 0.3116, 0.3525



22.7831, 0.3000, 0.6000



0.7169, 0.3001, 0.5999

Inverse Universe

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



32.1754, 0.3151, 0.2785



53.2734, 0.3156, 0.2669



31.5004, 0.3330, 0.3022



8.6465, 0.3138, 0.3066



9.0624, 0.3208, 0.1541



0.2852, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 39.9440, 0.3101, 0.3852 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 39.9440, 0.3101, 0.3852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

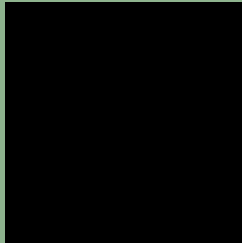
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

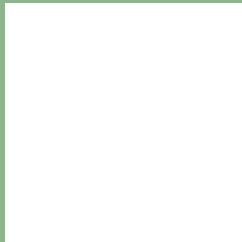
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9440, 0.3101, 0.3852

Background



This preview shows how black text looks on a background with the Yxy color 39.9440, 0.3101, 0.3852.



This preview shows how white text looks on a background with the Yxy color 39.9440, 0.3101, 0.3852.

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

39.9440, 0.3101, 0.3852

Protanopia

39.7658, 0.3504, 0.3736

Deuteranopia

39.7081, 0.3597, 0.3530



Tritanopia

39.9590, 0.2823, 0.3092

Trichromacy



Original Color

39.9440, 0.3101, 0.3852

Protanomaly

39.8582, 0.3351, 0.3780

Deuteranomaly

39.5035, 0.3402, 0.3642

Tritanomaly

39.8033, 0.2920, 0.3348

Monochromacy



Original Color

39.9440, 0.3101, 0.3852

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.8442, 0.3118, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9440, 0.3101, 0.3852 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(142, 179, 142)` looks like.

```
.text, #text, p{  
    color:rgb(142, 179, 142)  
}
```

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(142, 179, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 179, 142) }
```

Border

The CSS property to change the border of an element to Yxy 39.9440, 0.3101, 0.3852 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(142, 179, 142) }
```

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

```
.border{ border-color:rgb(142, 179, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 179, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 179, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 179, 142);  
box-shadow:4px 4px 4px 4px rgb(142, 179,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9440, 0.3101, 0.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 179, 142) }
```

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

```
.background{ background-color: rgb(142,  
179, 142) }
```

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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