

Converting Colors

$Yxy(39.9931, 0.3111, 0.3644)$

Have a look what the booklet for
Yxy(39.9931, 0.3111, 0.3644)
contains.

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Color

Yxy(39.9931, 0.3111, 0.3644)

Conversions

Conversions Part 1

Format	Color
Hex	98B098
RGB	152, 176, 152
RGB Percent	60%, 69%, 60%
CMY	0.4038, 0.3098, 0.4040
CMYK	0.14, 0.00, 0.14, 0.31
HSL	120°, 13%, 64%
HSV	120°, 14%, 69%
XYZ	34.1434, 39.9931, 35.6141
YIQ	166.0880, -6.6000, -12.5520

Conversions

Conversions Part 2

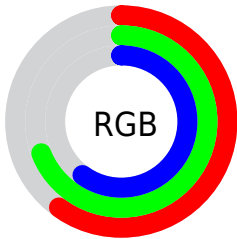
Format	Color
RYB	152, 176, 176
Decimal	10006680
CIELab	69.46, -12.95, 9.55
CIELCh	69, 16.090, 143.581
Yxy	39.9931, 0.3111, 0.3644
Android (android.graphics.Color)	4288196760 (0xFF98B098)
YUV	166.0880, -6.9454, -12.3552
Hunter-Lab	63.2401, -14.2978, 10.8785

Details

The Yxy color **39.9931, 0.3111, 0.3644** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.8069, 0.3142, 0.2960**, and the grayscale version is **38.2166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2913, 0.3113, 0.3582**, and **17.8722, 0.3106, 0.3751** is the 20% darker color. If you saturate the color by 10%, you get **37.8889, 0.3097, 0.3943**, and if you desaturate by 10%, it is **42.4372, 0.3123, 0.3378**.

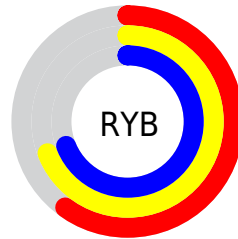
Distribution



Red (60%)

Green (69%)

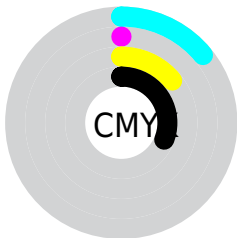
Blue (60%)



Red (60%)

Yellow (69%)

Blue (69%)

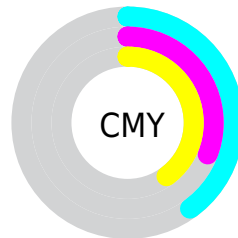


Cyan (14%)

Magenta (0%)

Yellow (14%)

Black (31%)



Cyan (40%)


Magenta (31%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9931, 0.3111, 0.3644 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 39.9931, 0.3111, 0.3644 by changing the saturation by 10% instead.


 39.9931, 0.3111,
0.3644


 39.9931, 0.3111,
0.3644


346.0945, 0.3121,
0.3459

 27.5332, 0.3108,
0.3693


 75.1530, 0.3115,
0.3574

 17.9740, 0.3103,
0.3758


 98.6218, 0.3117,
0.3549

 10.9314, 0.3095,
0.3849


126.5289, 0.3118,
0.3528

 6.0207, 0.3083,
0.3982

159.2589, 0.3119,
0.3510

 2.8577, 0.3059,
0.4197

197.1960, 0.3120,
0.3494

 1.0579, 0.3075,
0.4785

240.7247, 0.3120,

 0.0000, 0.0000,

0.3481

0.0000

290.2294, 0.3121,
0.3469

■ 39.9931, 0.3111,
0.3644

■ 39.9931, 0.3111,
0.3644

■ 37.8889, 0.3097,
0.3943

■ 42.4372, 0.3123,
0.3378

■ 36.1049, 0.3082,
0.4272

■ 45.2299, 0.3134,
0.3147

■ 34.6267, 0.3066,
0.4622

■ 48.3860, 0.3143,
0.2946

■ 33.4373, 0.3049,
0.4976

■ 51.9179, 0.3151,
0.2774

■ 32.5178, 0.3034,
0.5310

■ 55.8374, 0.3157,
0.2626

■ 31.8471, 0.3020,
0.5598

■ 59.5308, 0.3163,
0.2517

■ 31.4009, 0.3010,
0.5814

■ 31.1501, 0.3003,
0.5946

■ 31.0532, 0.3000,
0.6000

Harmonies

Analogous

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



39.9931, 0.3345, 0.3710



39.9931, 0.3111, 0.3644



39.9931, 0.2887, 0.3470

Triad

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



39.9931, 0.3111, 0.3644



39.9931, 0.2739, 0.2924



39.9931, 0.3539, 0.3310

Complementary

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



39.9931, 0.3111, 0.3644



34.8069, 0.3142, 0.2960

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.



39.9931, 0.3365, 0.3116



39.9931, 0.3111, 0.3644



39.9931, 0.2901, 0.2898

Square

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



39.9931, 0.3111, 0.3644



39.9931, 0.2678, 0.3049



39.9931, 0.3129, 0.2968



39.9931, 0.3598, 0.3506

Rectangle

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



39.9931, 0.3111, 0.3644



39.9931, 0.2773, 0.3323



39.9931, 0.3129, 0.2968



39.9931, 0.3491, 0.3243

Sweetspot

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



39.9948, 0.3111, 0.3644



76.7687, 0.3123, 0.3389



42.3903, 0.3328, 0.3616



16.5617, 0.3122, 0.3408



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



39.9948, 0.3111, 0.3644



71.4750, 0.3108, 0.3720



40.3891, 0.3018, 0.3470



9.4909, 0.3116, 0.3525



22.7846, 0.3001, 0.6000



0.7172, 0.3003, 0.5998

Inverse Universe

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



34.8069, 0.3142, 0.2960



60.4553, 0.3145, 0.2895



34.3727, 0.3252, 0.3117



8.6458, 0.3137, 0.3066



9.0405, 0.3204, 0.1539



0.2847, 0.3206, 0.1540

Previews

White Background



This preview shows how the Yxy color 39.9931, 0.3111, 0.3644 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 39.9931, 0.3111, 0.3644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

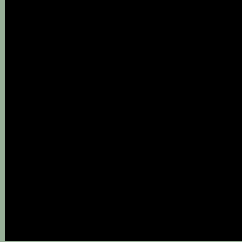
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

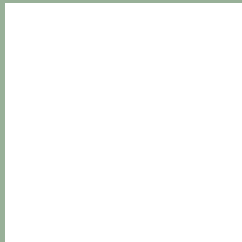
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9931, 0.3111, 0.3644

Background



This preview shows how black text looks on a background with the Yxy color 39.9931, 0.3111, 0.3644.



This preview shows how white text looks on a background with the Yxy color 39.9931, 0.3111, 0.3644.

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

39.9931, 0.3111, 0.3644

Protanopia

39.8612, 0.3386, 0.3583

Deuteranopia

39.6373, 0.3471, 0.3398



Tritanopia

39.7967, 0.2894, 0.3094

Trichromacy



Original Color

39.9931, 0.3111, 0.3644

Protanomaly

39.9998, 0.3285, 0.3618

Deuteranomaly

39.6855, 0.3334, 0.3485

Tritanomaly

39.8728, 0.2970, 0.3290

Monochromacy



Original Color

39.9931, 0.3111, 0.3644

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.8997, 0.3121, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9931, 0.3111, 0.3644 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(152, 176, 152)` looks like.

```
.text, #text, p{  
    color:rgb(152, 176, 152)  
}
```

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(152, 176, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 176, 152) }
```

Border

The CSS property to change the border of an element to Yxy 39.9931, 0.3111, 0.3644 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(152, 176, 152) }
```

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

```
.border{ border-color:rgb(152, 176, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 176, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 176, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 176, 152);  
box-shadow:4px 4px 4px 4px rgb(152, 176,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9931, 0.3111, 0.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 176, 152) }
```

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

```
.background{ background-color: rgb(152,  
176, 152) }
```

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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