

# Converting Colors

$Yxy(39.6964, 0.3112, 0.3612)$

Have a look what the booklet for  
Yxy(39.6964, 0.3112, 0.3612)  
contains.

<b>Yxy(39.7322, 0.3112, 0.3614)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(39.7322, 0.3112, 0.3614)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99AF99
RGB	153, 175, 153
RGB Percent	60%, 69%, 60%
CMY	0.4001, 0.3137, 0.4001
CMYK	0.13, 0.00, 0.13, 0.31
HSL	120°, 12%, 64%
HSV	120°, 13%, 69%
XYZ	34.2132, 39.7322, 35.9943
YIQ	165.9140, -6.0500, -11.5060

# Conversions

## Conversions Part 2

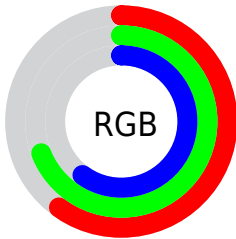
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 175, 175
Decimal	10071961
CIELab	69.28, -11.90, 8.74
CIElCh	69, 14.768, 143.702
Yxy	39.7322, 0.3112, 0.3614
Android (android.graphics.Color)	4288262041 (0xFF99AF99)
YUV	165.9140, -6.3666, -11.3256
Hunter-Lab	63.0335, -13.4226, 10.2668

# Details

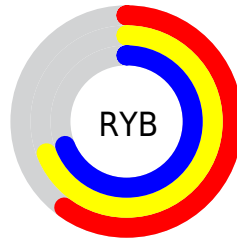
The Yxy color **39.7322, 0.3112, 0.3614** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.9865, 0.3141, 0.2986**, and the grayscale version is **38.1221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9222, 0.3115, 0.3559**, and **17.9500, 0.3107, 0.3727** is the 20% darker color. If you saturate the color by 10%, you get **37.6180, 0.3098, 0.3910**, and if you desaturate by 10%, it is **42.1842, 0.3124, 0.3352**.

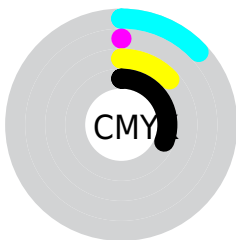
# Distribution



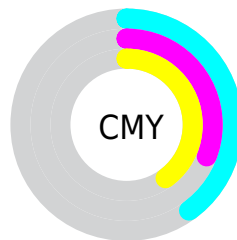
- Red (60%)
- Green (69%)
- Blue (60%)



- Red (60%)
- Yellow (69%)
- Blue (69%)



- Cyan (13%)
- Magenta (0%)
- Yellow (13%)
- Black (31%)




- Cyan (40%)
- Magenta (31%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.7322, 0.3112, 0.3614 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 39.7322, 0.3112, 0.3614 by changing the saturation by 10% instead.





 39.7322, 0.3112,  
0.3614


 39.7322, 0.3112,  
0.3614


344.9935, 0.3121,  
0.3444

 27.3298, 0.3109,  
0.3659


 74.7555, 0.3116,  
0.3550

 17.8211, 0.3105,  
0.3719


 98.1453, 0.3117,  
0.3527

 10.8216, 0.3098,  
0.3801


125.9663, 0.3118,  
0.3508

 5.9470, 0.3087,  
0.3922

158.6029, 0.3119,  
0.3491

 2.8129, 0.3066,  
0.4119

196.4395, 0.3120,  
0.3477

 1.0348, 0.3078,  
0.4645

239.8606, 0.3120,

 0.0000, 0.0000,


0.3465


0.0000


289.2505, 0.3121,  
0.3454


 39.7322, 0.3112,  
0.3614


 39.7322, 0.3112,  
0.3614


 37.6180, 0.3098,  
0.3910


 42.1842, 0.3124,  
0.3352


 35.8221, 0.3083,  
0.4236


 44.9827, 0.3135,  
0.3124


 34.3306, 0.3067,  
0.4584

 48.1421, 0.3144,  
0.2927

 33.1267, 0.3050,  
0.4938

 51.6746, 0.3152,  
0.2757

 32.1918, 0.3034,  
0.5276

 55.5920, 0.3159,  
0.2612

■ 31.5053, 0.3020,  
0.5570

■ 59.1436, 0.3164,  
0.2508

■ 31.0435, 0.3010,  
0.5795

■ 30.7783, 0.3003,  
0.5936

■ 30.6639, 0.3000,  
0.6000

# Harmonies

## Analogous

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



39.7322, 0.3327, 0.3676



39.7322, 0.3112, 0.3614



39.7322, 0.2906, 0.3455

# Triad

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



39.7322, 0.3112, 0.3614



39.7322, 0.2770, 0.2953



39.7322, 0.3506, 0.3310

# Complementary

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



39.7322, 0.3112, 0.3614



34.9865, 0.3141, 0.2986

# 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.



39.7322, 0.3347, 0.3131



39.7322, 0.3112, 0.3614



39.7322, 0.2920, 0.2928

# Square

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



39.7322, 0.3112, 0.3614



39.7322, 0.2713, 0.3068



39.7322, 0.3131, 0.2993



39.7322, 0.3560, 0.3490



# Rectangle

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



39.7322, 0.3112, 0.3614



39.7322, 0.2800, 0.3320



39.7322, 0.3131, 0.2993



39.7322, 0.3463, 0.3248

# Sweetspot

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



39.7339, 0.3112, 0.3614



74.8521, 0.3123, 0.3389



41.9353, 0.3312, 0.3590



16.5610, 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.



39.7339, 0.3112, 0.3614



70.0832, 0.3108, 0.3690



40.1011, 0.3027, 0.3455



8.9394, 0.3116, 0.3524



21.9568, 0.3000, 0.6000



0.6108, 0.3000, 0.6000



# Inverse Universe

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



34.9865, 0.3141, 0.2986



59.9640, 0.3144, 0.2920



34.5849, 0.3241, 0.3131



8.1480, 0.3138, 0.3067



8.7404, 0.3209, 0.1541



0.2432, 0.3209, 0.1541



# Previews

## White Background



This preview shows how the Yxy color 39.7322, 0.3112, 0.3614 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

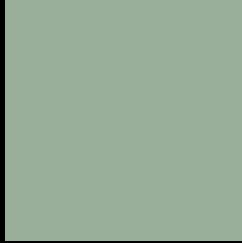
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.7322, 0.3112, 0.3614 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

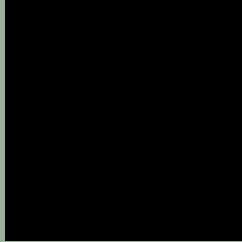
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

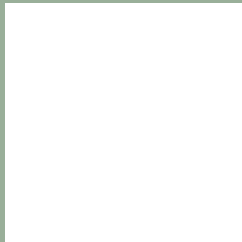
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 39.7322, 0.3112, 0.3614**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.7322, 0.3112, 0.3614.



This preview shows how white text looks on a background with the Yxy color 39.7322, 0.3112, 0.3614.

# 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

39.7322, 0.3112, 0.3614

### Protanopia

39.4374, 0.3360, 0.3542

### Deuteranopia

39.5081, 0.3462, 0.3398



## Tritanopia

39.8556, 0.2910, 0.3108

# Trichromacy



## Original Color

39.7322, 0.3112, 0.3614

## Protanomaly

39.6850, 0.3270, 0.3575

## Deuteranomaly

39.3176, 0.3336, 0.3471

## Tritanomaly

39.5901, 0.2979, 0.3275

# Monochromacy



## Original Color

39.7322, 0.3112, 0.3614

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

38.5262, 0.3122, 0.3405

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.7322, 0.3112, 0.3614 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(153, 175, 153)` looks like.

```
.text, #text, p{  
    color:rgb(153, 175, 153)  
}
```

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(153, 175, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 175, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 39.7322, 0.3112, 0.3614 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(153, 175, 153) }
```

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

```
.border{ border-color:rgb(153, 175, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 175, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 175, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 175, 153);  
box-shadow:4px 4px 4px 4px rgb(153, 175,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.7322, 0.3112, 0.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 175, 153) }
```

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

```
.background{ background-color: rgb(153,  
175, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor