

Converting Colors

$Y_{xy}(39.8570, 0.3113, 0.3268)$

Have a look what the booklet for
Yxy(39.8570, 0.3113, 0.3268)
contains.

Yxy(39.7512, 0.3110, 0.3262)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Yxy(39.7512, 0.3110, 0.3262)

Conversions

Conversions Part 1

Format	Color
Hex	A9A9AB
RGB	169, 169, 171
RGB Percent	66%, 66%, 67%
CMY	0.3373, 0.3372, 0.3293
CMYK	0.01, 0.01, 0.00, 0.33
HSL	239°, 1%, 67%
HSV	239°, 1%, 67%
XYZ	37.8989, 39.7512, 44.2113
YIQ	169.2280, -0.6420, 0.6220

Conversions

Conversions Part 2

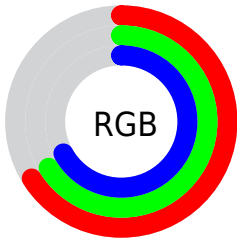
Format	Color
RYB	169, 169, 171
Decimal	11119019
CIELab	69.29, 0.38, -1.04
CIElCh	69, 1.111, 289.879
Yxy	39.7512, 0.3110, 0.3262
Android (android.graphics.Color)	4289309099 (0xFFA9A9AB)
YUV	169.2280, 0.8736, -0.2000
Hunter-Lab	63.0486, -3.0374, 2.5583

Details

The Yxy color **39.7512, 0.3110, 0.3262** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.6459, 0.3144, 0.3318**, and the grayscale version is **39.7907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6496, 0.3114, 0.3269**, and **17.8364, 0.3104, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **32.1040, 0.2955, 0.3009**, and if you desaturate by 10%, it is **48.4598, 0.3246, 0.3483**.

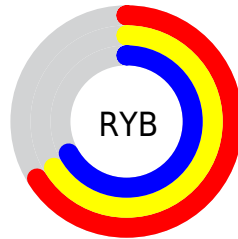
Distribution



Red (66%)

Green (66%)

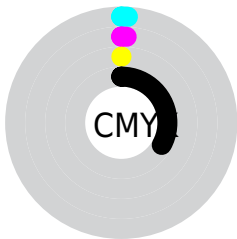
Blue (67%)



Red (66%)

Yellow (66%)

Blue (67%)

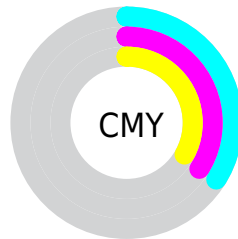


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (33%)



Cyan (34%)

Magenta (34%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.7512, 0.3110, 0.3262 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 39.7512, 0.3110, 0.3262 by changing the saturation by 10% instead.

■ 39.7512, 0.3110,
0.3262

■ 39.7512, 0.3110,
0.3262

345.0738, 0.3119,
0.3276

■ 27.3446, 0.3108,
0.3258

■ 74.7845, 0.3113,
0.3267

■ 17.8322, 0.3105,
0.3253

■ 98.1800, 0.3114,
0.3269

■ 10.8296, 0.3101,
0.3247

126.0073, 0.3116,
0.3271

■ 5.9524, 0.3095,
0.3237

158.6507, 0.3116,
0.3272

■ 2.8161, 0.3085,
0.3222

196.4947, 0.3117,
0.3274

■ 1.0365, 0.3069,
0.3196

239.9236, 0.3118,

■ 0.0000, 0.0000,

0.3275

0.0000

289.3218, 0.3118,
0.3276

■ 39.7512, 0.3110,
0.3262

■ 39.7512, 0.3110,
0.3262

■ 32.1040, 0.2955,
0.3009

■ 48.4598, 0.3246,
0.3483

■ 25.4726, 0.2780,
0.2723

■ 58.2627, 0.3363,
0.3674

■ 19.8160, 0.2587,
0.2406

■ 69.1980, 0.3465,
0.3839

■ 15.0882, 0.2380,
0.2067

■ 81.3002, 0.3552,
0.3980

■ 11.2396, 0.2169,
0.1719

■ 94.6023, 0.3627,
0.4102

■ 8.2160, 0.1966,
0.1383

■ 95.7209, 0.3626,
0.4115

■ 5.9571, 0.1786,
0.1084

■ 4.3945, 0.1644,
0.0847

■ 3.4476, 0.1551,
0.0690

Harmonies

Analogous

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



39.7512, 0.3099, 0.3266



39.7512, 0.3110, 0.3262



39.7512, 0.3126, 0.3266

Triad

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



39.7512, 0.3110, 0.3262



39.7512, 0.3159, 0.3305



39.7512, 0.3113, 0.3304

Complementary

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



39.7512, 0.3110, 0.3262



40.6459, 0.3144, 0.3318

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.



39.7512, 0.3129, 0.3315



39.7512, 0.3110, 0.3262



39.7512, 0.3156, 0.3315

Square

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



39.7512, 0.3110, 0.3262



39.7512, 0.3154, 0.3290



39.7512, 0.3145, 0.3319



39.7512, 0.3100, 0.3290

Rectangle

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



39.7512, 0.3110, 0.3262



39.7512, 0.3137, 0.3272



39.7512, 0.3145, 0.3319



39.7512, 0.3118, 0.3308

Sweetspot

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



39.7529, 0.3110, 0.3262



72.9347, 0.3127, 0.3290



40.5049, 0.3109, 0.3290



16.2647, 0.3127, 0.3290



86.8899, 0.3127, 0.3290

Same Dimension

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



39.7529, 0.3110, 0.3262



71.4326, 0.3113, 0.3266



39.8522, 0.3119, 0.3262



9.2845, 0.3114, 0.3268



2.2595, 0.1503, 0.0611



0.0682, 0.1516, 0.0657

Inverse Universe

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



39.8938, 0.3145, 0.3290



71.6484, 0.3143, 0.3290



40.5459, 0.3135, 0.3318



9.3101, 0.3141, 0.3290



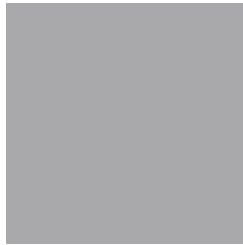
6.5311, 0.6383, 0.3290



0.1822, 0.6304, 0.3247

Previews

White Background



This preview shows how the Yxy color 39.7512, 0.3110, 0.3262 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 39.7512, 0.3110, 0.3262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

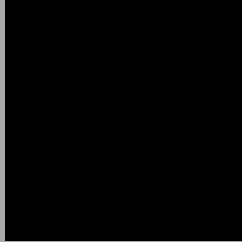
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

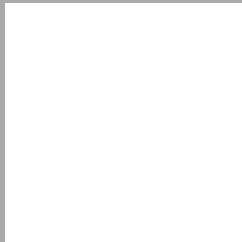
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7512, 0.3110, 0.3262

Background



This preview shows how black text looks on a background with the Yxy color 39.7512, 0.3110, 0.3262.

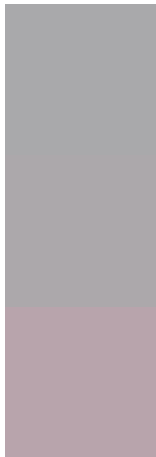


This preview shows how white text looks on a background with the Yxy color 39.7512, 0.3110, 0.3262.

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

39.7512, 0.3110, 0.3262

Protanopia

39.7162, 0.3138, 0.3249

Deuteranopia

39.7198, 0.3245, 0.3183



Tritanopia

39.5197, 0.3037, 0.3098

Trichromacy



Original Color

39.7512, 0.3110, 0.3262

Protanomaly

39.6035, 0.3129, 0.3249

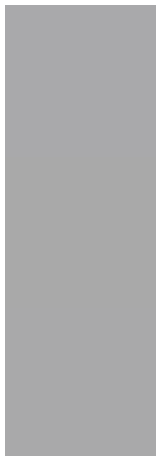
Deuteranomaly

39.8347, 0.3196, 0.3209

Tritanomaly

39.7256, 0.3070, 0.3166

Monochromacy



Original Color

39.7512, 0.3110, 0.3262

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.7132, 0.3119, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7512, 0.3110, 0.3262 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(169, 169, 171)` looks like.

```
.text, #text, p{  
    color:rgb(169, 169, 171)  
}
```

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(169, 169, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 169, 171) }
```

Border

The CSS property to change the border of an element to Yxy 39.7512, 0.3110, 0.3262 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(169, 169, 171) }
```

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

```
.border{ border-color:rgb(169, 169, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 169, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 169, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 169, 171);  
box-shadow:4px 4px 4px 4px rgb(169, 169,  
171) }
```

Background

The CSS property to change the background color of an element to Yxy 39.7512, 0.3110, 0.3262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 169, 171) }
```

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

```
.background{ background-color: rgb(169,  
169, 171) }
```

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