

Converting Colors

$Y_{xy}(12.3630, 0.3854, 0.4090)$

Have a look what the booklet for
Yxy(12.3630, 0.3854, 0.4090)
contains.

Yxy(12.3873, 0.3852, 0.4099)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.3873, 0.3852, 0.4099)

Conversions

Conversions Part 1

Format	Color
Hex	6E623D
RGB	110, 98, 61
RGB Percent	43%, 38%, 24%
CMY	0.5686, 0.6157, 0.7608
CMYK	0.00, 0.11, 0.45, 0.57
HSL	45°, 29%, 34%
HSV	45°, 45%, 43%
XYZ	11.6409, 12.3873, 6.1921
YIQ	97.3700, 19.0290, -8.9630

Conversions

Conversions Part 2

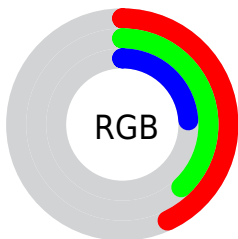
Format	Color
RYB	77, 110, 61
Decimal	7234109
CIELab	41.83, -0.94, 22.79
CIELCh	42, 22.807, 92.366
Yxy	12.3873, 0.3852, 0.4099
Android (android.graphics.Color)	4285424189 (0xFF6E623D)
YUV	97.3700, -17.9304, 11.0765
Hunter-Lab	35.1956, -2.5538, 14.2057

Details

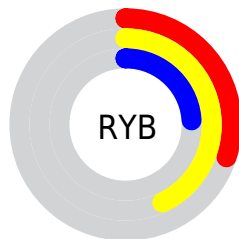
The Yxy color **12.3873, 0.3852, 0.4099** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.8836, 0.2397, 0.2317**, and the grayscale version is **12.0919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3855, 0.3677, 0.3904**, and **3.4886, 0.4185, 0.4487** is the 20% darker color. If you saturate the color by 10%, you get **11.7854, 0.4029, 0.4267**, and if you desaturate by 10%, it is **13.0316, 0.3676, 0.3918**.

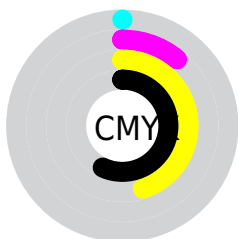
Distribution



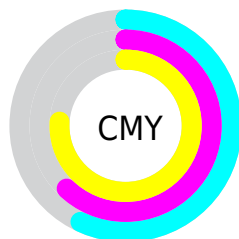
- Red (43%)
- Green (38%)
- Blue (24%)



- Red (30%)
- Yellow (43%)
- Blue (24%)



- Cyan (0%)
- Magenta (11%)
- Yellow (45%)
- Black (57%)




- Cyan (57%)
- Magenta (62%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3873, 0.3852, 0.4099 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 12.3873, 0.3852, 0.4099 by changing the saturation by 10% instead.

 12.3873, 0.3852,
0.4099


 12.3873, 0.3852,
0.4099


206.9527, 0.3418,
0.3612


 7.0080, 0.3989,
0.4255


 30.1986, 0.3674,
0.3898


 3.4671, 0.4181,
0.4476

 43.3993, 0.3613,
0.3830


 1.3802, 0.4814,
0.5186

 59.9760, 0.3565,
0.3776

 0.2021, 0.4556,
0.5444

 80.3131, 0.3525,
0.3731

 0.0000, 0.0000,
0.0000

 104.7949, 0.3491,
0.3694

 133.8059, 0.3463,

0.3662

167.7303, 0.3439,
0.3636

■ 12.3873, 0.3852,
0.4099

■ 12.3873, 0.3852,
0.4099

■ 11.7854, 0.4029,
0.4267

■ 13.0316, 0.3676,
0.3918

■ 11.2226, 0.4200,
0.4414

■ 13.7182, 0.3505,
0.3733

■ 10.6976, 0.4359,
0.4531

■ 14.4491, 0.3343,
0.3548

■ 10.2084, 0.4497,
0.4610

■ 15.2256, 0.3192,
0.3369

■ 9.7515, 0.4614,
0.4650

■ 16.0490, 0.3053,
0.3198

■ 9.5110, 0.4677,
0.4668

■ 16.9204, 0.2926,
0.3037

■ 17.8412, 0.2811,
0.2888

■ 18.8122, 0.2707,
0.2749

■ 19.8347, 0.2613,
0.2622

Harmonies

Analogous

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



12.3873, 0.4096, 0.3804



12.3873, 0.3852, 0.4099



12.3873, 0.3422, 0.4185

Triad

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



12.3873, 0.3852, 0.4099



12.3873, 0.2272, 0.3043



12.3873, 0.3268, 0.2722

Complementary

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



12.3873, 0.3852, 0.4099



6.8836, 0.2397, 0.2317

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.



12.3873, 0.2780, 0.2534



12.3873, 0.3852, 0.4099



12.3873, 0.2238, 0.2682

Square

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



12.3873, 0.3852, 0.4099



12.3873, 0.2517, 0.3530



12.3873, 0.2415, 0.2512



12.3873, 0.3751, 0.3036

Rectangle

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



12.3873, 0.3852, 0.4099



12.3873, 0.3094, 0.4079



12.3873, 0.2415, 0.2512



12.3873, 0.3098, 0.2643

Sweetspot

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



12.3879, 0.3852, 0.4099



25.5326, 0.3324, 0.3526



7.1372, 0.3932, 0.3014



5.8882, 0.3351, 0.3558



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.3879, 0.3852, 0.4099



20.7093, 0.4026, 0.4265



14.0729, 0.3568, 0.4394



3.7846, 0.3258, 0.3448



11.3781, 0.4682, 0.4664



55.2776, 0.4715, 0.4638

Inverse Universe

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



6.8836, 0.2397, 0.2317



9.7751, 0.2221, 0.2055



5.8897, 0.2531, 0.2056



3.4210, 0.2996, 0.3127



2.2488, 0.1593, 0.0936



10.0307, 0.1570, 0.0852

Previews

White Background



This preview shows how the Yxy color 12.3873, 0.3852, 0.4099 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 12.3873, 0.3852, 0.4099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

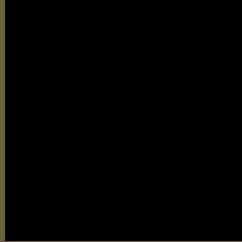
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3873, 0.3852, 0.4099

Background



This preview shows how black text looks on a background with the Yxy color 12.3873, 0.3852, 0.4099.



This preview shows how white text looks on a background with the Yxy color 12.3873, 0.3852, 0.4099.

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

12.3873, 0.3852, 0.4099

Protanopia

12.4487, 0.3811, 0.4129

Deuteranopia

12.2751, 0.4023, 0.3957



Tritanopia

12.3262, 0.3354, 0.3143

Trichromacy



Original Color

12.3873, 0.3852, 0.4099

Protanomaly

12.5118, 0.3827, 0.4124

Deuteranomaly

12.2452, 0.3964, 0.3990

Tritanomaly

12.3670, 0.3547, 0.3486

Monochromacy



Original Color

12.3873, 0.3852, 0.4099

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.0143, 0.3392, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3873, 0.3852, 0.4099 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(110, 98, 61)` looks like.

```
.text, #text, p{  
    color:rgb(110, 98, 61)  
}
```

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(110, 98, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 98, 61) }
```

Border

The CSS property to change the border of an element to Yxy 12.3873, 0.3852, 0.4099 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(110, 98, 61) }
```

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

```
.border{ border-color:rgb(110, 98, 61) }
```

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

Here you see how a box with a 4 pixel rgb(110, 98, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 98, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 98, 61);  
box-shadow:4px 4px 4px 4px rgb(110, 98,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3873, 0.3852, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 98, 61) }
```

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

```
.background{ background-color: rgb(110, 98,  
61) }
```

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