

Converting Colors

$Y_{xy}(13.9874, 0.3901, 0.4000)$

Have a look what the booklet for
Yxy(13.9874, 0.3901, 0.4000)
contains.

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Color

Yxy(13.9729, 0.3910, 0.4003)

Conversions

Conversions Part 1

Format	Color
Hex	796643
RGB	121, 102, 67
RGB Percent	47%, 40%, 26%
CMY	0.5255, 0.6000, 0.7373
CMYK	0.00, 0.16, 0.45, 0.53
HSL	39°, 29%, 37%
HSV	39°, 45%, 47%
XYZ	13.6483, 13.9729, 7.2849
YIQ	103.6910, 22.5590, -6.8570

Conversions

Conversions Part 2

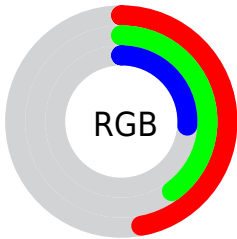
Format	Color
RYB	96, 121, 67
Decimal	7956035
CIELab	44.19, 2.37, 22.59
CIELCh	44, 22.714, 84.008
Yxy	13.9729, 0.3910, 0.4003
Android (android.graphics.Color)	4286146115 (0xFF796643)
YUV	103.6910, -18.0887, 15.1800
Hunter-Lab	37.3803, -0.2419, 14.6115

Details

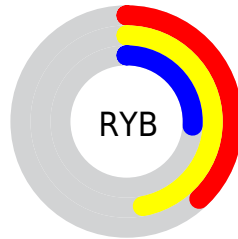
The Yxy color **13.9729, 0.3910, 0.4003** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.2231, 0.2411, 0.2446**, and the grayscale version is **13.8009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0421, 0.3710, 0.3831**, and **4.1338, 0.4271, 0.4286** is the 20% darker color. If you saturate the color by 10%, you get **13.0286, 0.4116, 0.4152**, and if you desaturate by 10%, it is **14.9918, 0.3711, 0.3843**.

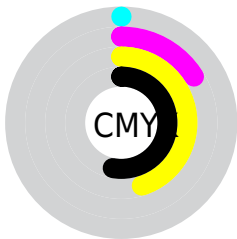
Distribution



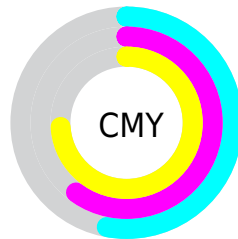
- Red (47%)
- Green (40%)
- Blue (26%)



- Red (38%)
- Yellow (47%)
- Blue (26%)



- Cyan (0%)
- Magenta (16%)
- Yellow (45%)
- Black (53%)




- Cyan (53%)
- Magenta (60%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9729, 0.3910, 0.4003 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 13.9729, 0.3910, 0.4003 by changing the saturation by 10% instead.


 13.9729, 0.3910,
0.4003


 13.9729, 0.3910,
0.4003


217.0622, 0.3446,
0.3586


 8.1018, 0.4056,
0.4130


 33.0409, 0.3720,
0.3835


 4.1602, 0.4261,
0.4304

 47.0067, 0.3656,
0.3777

 1.7636, 0.4829,
0.4812

 64.4394, 0.3604,
0.3730

 0.4643, 0.5181,
0.4819

 85.7236, 0.3561,
0.3691

 0.0000, 0.0000,
0.0000

 111.2436, 0.3525,
0.3658

141.3837, 0.3494,

0.3630

176.5284, 0.3468,
0.3606

■ 13.9729, 0.3910,
0.4003

■ 13.9729, 0.3910,
0.4003

■ 13.0286, 0.4116,
0.4152

■ 14.9918, 0.3711,
0.3843

■ 12.1543, 0.4323,
0.4281

■ 16.0856, 0.3524,
0.3679

■ 11.3479, 0.4523,
0.4379

■ 17.2573, 0.3352,
0.3516

■ 10.6064, 0.4705,
0.4437

■ 18.5089, 0.3195,
0.3360

■ 9.9254, 0.4863,
0.4451

■ 19.8424, 0.3053,
0.3212

■ 9.5792, 0.4947,
0.4454

■ 21.2598, 0.2926,
0.3073

■ 22.7627, 0.2812,
0.2944

■ 24.3532, 0.2711,
0.2825

■ 26.0327, 0.2621,
0.2715

Harmonies

Analogous

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



13.9729, 0.4074, 0.3688



13.9729, 0.3910, 0.4003



13.9729, 0.3537, 0.4149

Triad

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



13.9729, 0.3910, 0.4003



13.9729, 0.2352, 0.3178



13.9729, 0.3127, 0.2679

Complementary

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



13.9729, 0.3910, 0.4003



9.2231, 0.2411, 0.2446

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.



13.9729, 0.2682, 0.2540



13.9729, 0.3910, 0.4003



13.9729, 0.2262, 0.2788

Square

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



13.9729, 0.3910, 0.4003



13.9729, 0.2640, 0.3651



13.9729, 0.2377, 0.2570



13.9729, 0.3606, 0.2953

Rectangle

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



13.9729, 0.3910, 0.4003



13.9729, 0.3229, 0.4101



13.9729, 0.2377, 0.2570



13.9729, 0.2968, 0.2616

Sweetspot

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



13.9736, 0.3910, 0.4003



31.1944, 0.3330, 0.3495



8.7611, 0.3815, 0.2881



7.0412, 0.3361, 0.3525



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.9736, 0.3910, 0.4003



23.2189, 0.4131, 0.4162



17.6410, 0.3659, 0.4373



4.4080, 0.3263, 0.3428



10.2457, 0.4951, 0.4451



47.2288, 0.5000, 0.4412

Inverse Universe

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



9.2231, 0.2411, 0.2446



13.5256, 0.2231, 0.2198



6.8556, 0.2431, 0.2009



4.1027, 0.2994, 0.3148



3.2747, 0.1662, 0.1185



14.1575, 0.1637, 0.1094

Previews

White Background



This preview shows how the Yxy color 13.9729, 0.3910, 0.4003 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 13.9729, 0.3910, 0.4003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

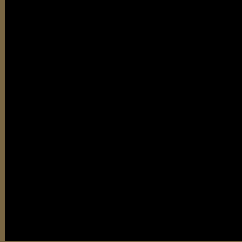
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9729, 0.3910, 0.4003

Background



This preview shows how black text looks on a background with the Yxy color 13.9729, 0.3910, 0.4003.



This preview shows how white text looks on a background with the Yxy color 13.9729, 0.3910, 0.4003.

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

13.9729, 0.3910, 0.4003

Protanopia

14.0979, 0.3763, 0.4070

Deuteranopia

13.9552, 0.4006, 0.3944



Tritanopia

13.9293, 0.3437, 0.3133

Trichromacy



Original Color

13.9729, 0.3910, 0.4003

Protanomaly

14.0999, 0.3818, 0.4038

Deuteranomaly

13.9977, 0.3965, 0.3971

Tritanomaly

13.9641, 0.3625, 0.3452

Monochromacy



Original Color

13.9729, 0.3910, 0.4003

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.7708, 0.3394, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9729, 0.3910, 0.4003 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(121, 102, 67)` looks like.

```
.text, #text, p{  
    color:rgb(121, 102, 67)  
}
```

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(121, 102, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 102, 67) }
```

Border

The CSS property to change the border of an element to Yxy 13.9729, 0.3910, 0.4003 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(121, 102, 67) }
```

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

```
.border{ border-color:rgb(121, 102, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 102, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 102, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 102, 67);  
box-shadow:4px 4px 4px 4px rgb(121, 102,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9729, 0.3910, 0.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 102, 67) }
```

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

```
.background{ background-color: rgb(121,  
102, 67) }
```

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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