

Converting Colors

$Y_{xy}(16.8865, 0.3906, 0.4013)$

Have a look what the booklet for
Yxy(16.8865, 0.3906, 0.4013)
contains.

Yxy(16.9749, 0.3913, 0.4023)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.9749, 0.3913, 0.4023)

Conversions

Conversions Part 1

Format	Color
Hex	847049
RGB	132, 112, 73
RGB Percent	52%, 44%, 29%
CMY	0.4824, 0.5607, 0.7137
CMYK	0.00, 0.15, 0.45, 0.48
HSL	40°, 29%, 40%
HSV	40°, 45%, 52%
XYZ	16.5108, 16.9749, 8.7090
YIQ	113.5340, 24.4390, -7.8890

Conversions

Conversions Part 2

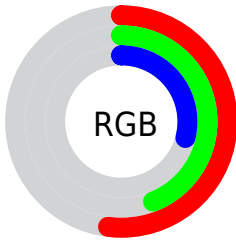
Format	Color
R_{YB}	103, 132, 73
Decimal	8679497
CIE _{Lab}	48.23, 2.14, 24.57
CIE _{LCh}	48, 24.660, 85.027
Yxy	16.9749, 0.3913, 0.4023
Android (android.graphics.Color)	4286869577 (0xFF847049)
YUV	113.5340, -19.9833, 16.1947
Hunter-Lab	41.2006, -0.5689, 16.3077

Details

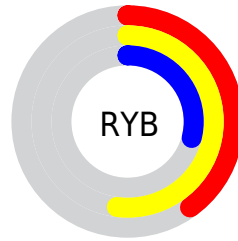
The Yxy color **16.9749, 0.3913, 0.4023** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.9062, 0.2400, 0.2419**, and the grayscale version is **16.7358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3952, 0.3730, 0.3866**, and **5.5000, 0.4244, 0.4293** is the 20% darker color. If you saturate the color by 10%, you get **15.8567, 0.4118, 0.4175**, and if you desaturate by 10%, it is **18.1809, 0.3715, 0.3859**.

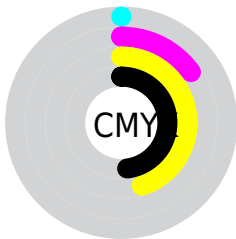
Distribution



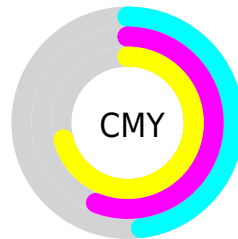
- Red (52%)
- Green (44%)
- Blue (29%)



- Red (40%)
- Yellow (52%)
- Blue (29%)



- Cyan (0%)
- Magenta (15%)
- Yellow (45%)
- Black (48%)



- Cyan (48%)
- Magenta (56%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9749, 0.3913, 0.4023 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 16.9749, 0.3913, 0.4023 by changing the saturation by 10% instead.


 16.9749, 0.3913,
0.4023

 16.9749, 0.3913,
0.4023


235.0277, 0.3460,
0.3605


 10.2166, 0.4048,
0.4144


 38.2826, 0.3732,
0.3858


 5.5428, 0.4233,
0.4307


 53.6008, 0.3669,
0.3800


 2.5691, 0.4554,
0.4589

 72.5411, 0.3618,
0.3753

 0.9112, 0.5025,
0.4975

 95.4879, 0.3576,
0.3713

 0.0000, 0.0000,
0.0000

 122.8255, 0.3540,
0.3680

154.9385, 0.3509,

0.3651

192.2110, 0.3483,
0.3627

■ 16.9749, 0.3913,
0.4023

■ 16.9749, 0.3913,
0.4023

■ 15.8567, 0.4118,
0.4175

■ 18.1809, 0.3715,
0.3859

■ 14.8207, 0.4322,
0.4306

■ 19.4751, 0.3528,
0.3690

■ 13.8644, 0.4517,
0.4405

■ 20.8609, 0.3354,
0.3524

■ 12.9841, 0.4693,
0.4462

■ 22.3409, 0.3196,
0.3363

■ 12.1748, 0.4843,
0.4474

■ 23.9176, 0.3053,
0.3210

■ 11.7674, 0.4922,
0.4474

■ 25.5930, 0.2925,
0.3067

■ 27.3696, 0.2810,
0.2935

■ 29.2493, 0.2708,
0.2812

■ 31.2343, 0.2617,
0.2700

Harmonies

Analogous

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



16.9749, 0.4090, 0.3706



16.9749, 0.3913, 0.4023



16.9749, 0.3528, 0.4165

Triad

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



16.9749, 0.3913, 0.4023



16.9749, 0.2333, 0.3160



16.9749, 0.3143, 0.2677

Complementary

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



16.9749, 0.3913, 0.4023



10.9062, 0.2400, 0.2419

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.



16.9749, 0.2687, 0.2530



16.9749, 0.3913, 0.4023



16.9749, 0.2248, 0.2768

Square

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



16.9749, 0.3913, 0.4023



16.9749, 0.2619, 0.3641



16.9749, 0.2372, 0.2554



16.9749, 0.3629, 0.2959

Rectangle

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



16.9749, 0.3913, 0.4023



16.9749, 0.3213, 0.4110



16.9749, 0.2372, 0.2554



16.9749, 0.2981, 0.2611

Sweetspot

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



16.9757, 0.3913, 0.4023



37.1106, 0.3331, 0.3501



10.4709, 0.3844, 0.2895



8.5255, 0.3363, 0.3533



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.9757, 0.3913, 0.4023



27.8407, 0.4128, 0.4183



21.2008, 0.3652, 0.4389



5.1644, 0.3264, 0.3433



11.4065, 0.4921, 0.4475



0.0531, 0.4529, 0.4786

Inverse Universe

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



10.9062, 0.2400, 0.2419



15.6957, 0.2221, 0.2167



8.2173, 0.2435, 0.1999



4.7834, 0.2992, 0.3143



3.4176, 0.1651, 0.1143



0.0243, 0.1877, 0.1957

Previews

White Background



This preview shows how the Yxy color 16.9749, 0.3913, 0.4023 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 16.9749, 0.3913, 0.4023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

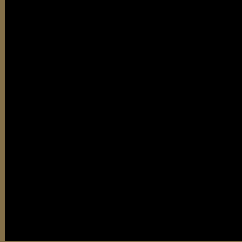
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9749, 0.3913, 0.4023

Background



This preview shows how black text looks on a background with the Yxy color 16.9749, 0.3913, 0.4023.



This preview shows how white text looks on a background with the Yxy color 16.9749, 0.3913, 0.4023.

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

16.9749, 0.3913, 0.4023

Protanopia

17.1159, 0.3778, 0.4086

Deuteranopia

17.0495, 0.4003, 0.3947



Tritanopia

16.9874, 0.3426, 0.3145

Trichromacy



Original Color

16.9749, 0.3913, 0.4023

Protanomaly

17.1182, 0.3828, 0.4056

Deuteranomaly

17.0975, 0.3966, 0.3972

Tritanomaly

17.0083, 0.3612, 0.3459

Monochromacy



Original Color

16.9749, 0.3913, 0.4023

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.7761, 0.3412, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9749, 0.3913, 0.4023 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(132, 112, 73)` looks like.

```
.text, #text, p{  
    color:rgb(132, 112, 73)  
}
```

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(132, 112, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 112, 73) }
```

Border

The CSS property to change the border of an element to Yxy 16.9749, 0.3913, 0.4023 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(132, 112, 73) }
```

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

```
.border{ border-color:rgb(132, 112, 73) }
```

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

Here you see how a box with a 4 pixel rgb(132, 112, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 112, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 112, 73);  
box-shadow:4px 4px 4px 4px rgb(132, 112,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9749, 0.3913, 0.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 112, 73) }
```

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

```
.background{ background-color: rgb(132,  
112, 73) }
```

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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