

Converting Colors

$Y_{xy}(16.2309, 0.3903, 0.4310)$

Have a look what the booklet for
Yxy(16.2309, 0.3903, 0.4310)
contains.

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Color

Yxy(16.2848, 0.3904, 0.4304)

Conversions

Conversions Part 1

Format	Color
Hex	7A713D
RGB	122, 113, 61
RGB Percent	48%, 44%, 24%
CMY	0.5217, 0.5568, 0.7608
CMYK	0.00, 0.07, 0.50, 0.52
HSL	51°, 33%, 36%
HSV	51°, 50%, 48%
XYZ	14.7713, 16.2848, 6.7803
YIQ	109.7630, 22.0560, -14.2640

Conversions

Conversions Part 2

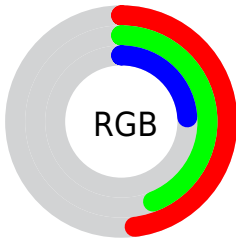
Format	Color
RYB	72, 122, 61
Decimal	8024381
CIELab	47.35, -4.22, 29.94
CIELCh	47, 30.240, 98.025
Yxy	16.2848, 0.3904, 0.4304
Android (android.graphics.Color)	4286214461 (0xFF7A713D)
YUV	109.7630, -24.0402, 10.7318
Hunter-Lab	40.3544, -5.2821, 18.2863

Details

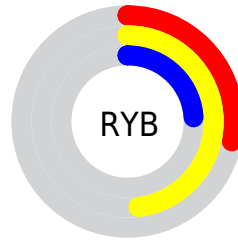
The Yxy color **16.2848, 0.3904, 0.4304** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.7740, 0.2262, 0.2009**, and the grayscale version is **15.5867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2662, 0.3731, 0.4069**, and **5.1547, 0.4184, 0.4714** is the 20% darker color. If you saturate the color by 10%, you get **15.7723, 0.4054, 0.4477**, and if you desaturate by 10%, it is **16.8367, 0.3746, 0.4111**.

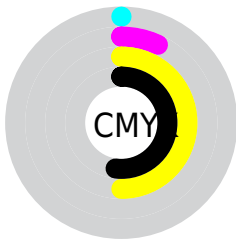
Distribution



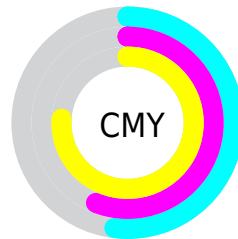
- Red (48%)
- Green (44%)
- Blue (24%)



- Red (28%)
- Yellow (48%)
- Blue (24%)



- Cyan (0%)
- Magenta (7%)
- Yellow (50%)
- Black (52%)





- Cyan (52%)
- Magenta (56%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2848, 0.3904, 0.4304 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 16.2848, 0.3904, 0.4304 by changing the saturation by 10% instead.


 16.2848, 0.3904,
0.4304


 16.2848, 0.3904,
0.4304


 231.0164, 0.3464,
0.3715


 9.7259, 0.4026,
0.4478


 37.0919, 0.3733,
0.4069


 5.2176, 0.4183,
0.4713

 52.1090, 0.3672,
0.3987


 2.3755, 0.4650,
0.5350

 70.7141, 0.3621,
0.3921

 0.8132, 0.4517,
0.5483

 93.2919, 0.3579,
0.3865

 0.0000, 0.0000,
0.0000

 120.2266, 0.3544,
0.3819

 151.9027, 0.3513,

0.3779

188.7045, 0.3487,
0.3745

■ 16.2848, 0.3904,
0.4304

■ 16.2848, 0.3904,
0.4304

■ 15.7723, 0.4054,
0.4477

■ 16.8367, 0.3746,
0.4111

■ 15.2947, 0.4189,
0.4621

■ 17.4275, 0.3584,
0.3906

■ 14.8505, 0.4303,
0.4728

■ 18.0598, 0.3425,
0.3697

■ 14.4369, 0.4393,
0.4795

■ 18.7353, 0.3272,
0.3490

■ 14.0447, 0.4467,
0.4835

■ 19.4554, 0.3127,
0.3290

■ 14.0441, 0.4467,
0.4835

■ 20.2216, 0.2992,
0.3100

■ 21.0353, 0.2867,
0.2921

■ 21.8977, 0.2754,
0.2756

■ 22.8101, 0.2650,
0.2603

Harmonies

Analogous

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



16.2848, 0.4259, 0.3967



16.2848, 0.3904, 0.4304



16.2848, 0.3359, 0.4368

Triad

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



16.2848, 0.3904, 0.4304



16.2848, 0.2083, 0.2883



16.2848, 0.3409, 0.2675

Complementary

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



16.2848, 0.3904, 0.4304



6.7740, 0.2262, 0.2009

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.



16.2848, 0.2808, 0.2423



16.2848, 0.3904, 0.4304



16.2848, 0.2094, 0.2501

Square

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



16.2848, 0.3904, 0.4304



16.2848, 0.2320, 0.3459



16.2848, 0.2343, 0.2354



16.2848, 0.3976, 0.3062

Rectangle

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



16.2848, 0.3904, 0.4304



16.2848, 0.2966, 0.4195



16.2848, 0.2343, 0.2354



16.2848, 0.3202, 0.2574

Sweetspot

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



16.2856, 0.3904, 0.4304



32.3250, 0.3353, 0.3600



7.9183, 0.4236, 0.3105



7.3458, 0.3379, 0.3635



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.



16.2856, 0.3904, 0.4304



27.6321, 0.4075, 0.4500



16.9966, 0.3535, 0.4578



4.5383, 0.3258, 0.3471



14.7825, 0.4468, 0.4834



69.5429, 0.4485, 0.4821

Inverse Universe

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



6.7740, 0.2262, 0.2009



8.8715, 0.2047, 0.1664



6.5522, 0.2522, 0.1902



3.9800, 0.2994, 0.3102



1.9244, 0.1544, 0.0758



8.3882, 0.1528, 0.0700

Previews

White Background



This preview shows how the Yxy color 16.2848, 0.3904, 0.4304 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 16.2848, 0.3904, 0.4304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

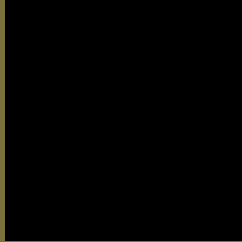
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2848, 0.3904, 0.4304

Background



This preview shows how black text looks on a background with the Yxy color 16.2848, 0.3904, 0.4304.



This preview shows how white text looks on a background with the Yxy color 16.2848, 0.3904, 0.4304.

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

16.2848, 0.3904, 0.4304

Protanopia

16.2103, 0.3943, 0.4275

Deuteranopia

16.1816, 0.4169, 0.4103



Tritanopia

16.2652, 0.3300, 0.3138

Trichromacy



Original Color

16.2848, 0.3904, 0.4304

Protanomaly

16.1362, 0.3928, 0.4281

Deuteranomaly

16.1906, 0.4076, 0.4163

Tritanomaly

16.1235, 0.3537, 0.3566

Monochromacy



Original Color

16.2848, 0.3904, 0.4304

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.7190, 0.3411, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2848, 0.3904, 0.4304 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(122, 113, 61)` looks like.

```
.text, #text, p{  
    color:rgb(122, 113, 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(122, 113, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 113, 61) }
```

Border

The CSS property to change the border of an element to Yxy 16.2848, 0.3904, 0.4304 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(122, 113, 61) }
```

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

```
.border{ border-color:rgb(122, 113, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 113, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 113, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 113, 61);  
box-shadow:4px 4px 4px 4px rgb(122, 113,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2848, 0.3904, 0.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 113, 61) }
```

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

```
.background{ background-color: rgb(122,  
113, 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](#).

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