

Converting Colors

$Y_{xy}(16.5502, 0.3747, 0.4152)$

Have a look what the booklet for
Yxy(16.5502, 0.3747, 0.4152)
contains.

Yxy(16.4826, 0.3749, 0.4148)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.4826, 0.3749, 0.4148)

Conversions

Conversions Part 1

Format	Color
Hex	787247
RGB	120, 114, 71
RGB Percent	47%, 45%, 28%
CMY	0.5295, 0.5529, 0.7216
CMYK	0.00, 0.05, 0.41, 0.53
HSL	53°, 26%, 37%
HSV	53°, 41%, 47%
XYZ	14.8971, 16.4826, 8.3565
YIQ	110.8920, 17.3790, -12.1010

Conversions

Conversions Part 2

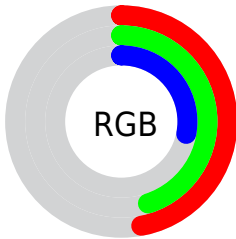
Format	Color
RYB	78, 120, 71
Decimal	7893575
CIELab	47.60, -4.56, 24.66
CIELCh	48, 25.082, 100.478
Yxy	16.4826, 0.3749, 0.4148
Android (android.graphics.Color)	4286083655 (0xFF787247)
YUV	110.8920, -19.6668, 7.9877
Hunter-Lab	40.5988, -5.5499, 16.2153

Details

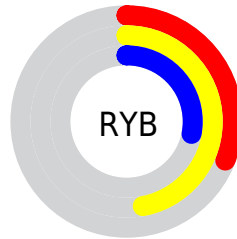
The Yxy color **16.4826, 0.3749, 0.4148** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.9959, 0.2434, 0.2254**, and the grayscale version is **15.9169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5127, 0.3607, 0.3950**, and **5.2731, 0.3989, 0.4513** is the 20% darker color. If you saturate the color by 10%, you get **16.0176, 0.3901, 0.4344**, and if you desaturate by 10%, it is **16.9848, 0.3592, 0.3939**.

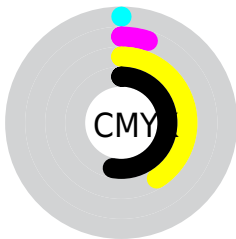
Distribution



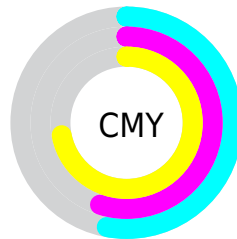
- Red (47%)
- Green (45%)
- Blue (28%)



- Red (31%)
- Yellow (47%)
- Blue (28%)



- Cyan (0%)
- Magenta (5%)
- Yellow (41%)
- Black (53%)





- Cyan (53%)
- Magenta (55%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4826, 0.3749, 0.4148 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 16.4826, 0.3749, 0.4148 by changing the saturation by 10% instead.


 16.4826, 0.3749,
0.4148


 16.4826, 0.3749,
0.4148


232.1728, 0.3394,
0.3646


 9.8663, 0.3852,
0.4302


 37.4340, 0.3609,
0.3945


 5.3104, 0.3989,
0.4518

 52.5379, 0.3560,
0.3875


 2.4305, 0.4260,
0.4934

 71.2398, 0.3519,
0.3818

 0.8415, 0.4500,
0.5500

 93.9241, 0.3486,
0.3772

 0.0000, 0.0000,
0.0000

 120.9751, 0.3457,
0.3733

152.7773, 0.3433,

0.3699

189.7151, 0.3412,
0.3671

■ 16.4826, 0.3749,
0.4148

■ 16.4826, 0.3749,
0.4148

■ 16.0176, 0.3901,
0.4344

■ 16.9848, 0.3592,
0.3939

■ 15.5857, 0.4044,
0.4518

■ 17.5236, 0.3436,
0.3725

■ 15.1856, 0.4170,
0.4662

■ 18.1013, 0.3283,
0.3513

■ 14.8151, 0.4274,
0.4769

■ 18.7193, 0.3139,
0.3307

■ 14.4715, 0.4354,
0.4836

■ 19.3791, 0.3003,
0.3110

■ 14.1711, 0.4415,
0.4876

■ 20.0820, 0.2877,
0.2925

■ 20.8291, 0.2762,
0.2754

■ 21.6217, 0.2657,
0.2595

■ 22.4609, 0.2562,
0.2450

Harmonies

Analogous

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



16.4826, 0.4055, 0.3897



16.4826, 0.3749, 0.4148



16.4826, 0.3289, 0.4159

Triad

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



16.4826, 0.3749, 0.4148



16.4826, 0.2242, 0.2928



16.4826, 0.3406, 0.2796

Complementary

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



16.4826, 0.3749, 0.4148



7.9959, 0.2434, 0.2254

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.



16.4826, 0.2904, 0.2569



16.4826, 0.3749, 0.4148



16.4826, 0.2266, 0.2617

Square

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



16.4826, 0.3749, 0.4148



16.4826, 0.2431, 0.3394



16.4826, 0.2497, 0.2500



16.4826, 0.3859, 0.3135

Rectangle

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



16.4826, 0.3749, 0.4148



16.4826, 0.2962, 0.3997



16.4826, 0.2497, 0.2500



16.4826, 0.3236, 0.2706

Sweetspot

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



16.4834, 0.3749, 0.4148



31.7000, 0.3305, 0.3544



9.0401, 0.3961, 0.3154



7.4883, 0.3320, 0.3565



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.



16.4834, 0.3749, 0.4148



28.2363, 0.3892, 0.4332



16.7061, 0.3461, 0.4337



4.5547, 0.3258, 0.3476



15.4546, 0.4416, 0.4875



72.8858, 0.4429, 0.4865

Inverse Universe

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



7.9959, 0.2434, 0.2254



11.1402, 0.2252, 0.1967



7.9827, 0.2671, 0.2186



3.9649, 0.2994, 0.3096



1.8267, 0.1535, 0.0724



8.0216, 0.1520, 0.0673

Previews

White Background



This preview shows how the Yxy color 16.4826, 0.3749, 0.4148 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 16.4826, 0.3749, 0.4148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

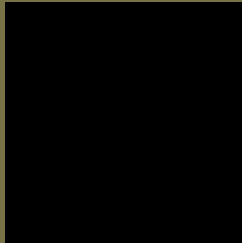
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4826, 0.3749, 0.4148

Background



This preview shows how black text looks on a background with the Yxy color 16.4826, 0.3749, 0.4148.



This preview shows how white text looks on a background with the Yxy color 16.4826, 0.3749, 0.4148.

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

16.4826, 0.3749, 0.4148

Protanopia

16.4761, 0.3800, 0.4116

Deuteranopia

16.4272, 0.4017, 0.3955



Tritanopia

16.3695, 0.3244, 0.3118

Trichromacy



Original Color

16.4826, 0.3749, 0.4148

Protanomaly

16.4028, 0.3786, 0.4121

Deuteranomaly

16.3656, 0.3913, 0.4014

Tritanomaly

16.2829, 0.3437, 0.3488

Monochromacy



Original Color

16.4826, 0.3749, 0.4148

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.0103, 0.3356, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4826, 0.3749, 0.4148 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(120, 114, 71)` looks like.

```
.text, #text, p{  
    color:rgb(120, 114, 71)  
}
```

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(120, 114, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 114, 71) }
```

Border

The CSS property to change the border of an element to Yxy 16.4826, 0.3749, 0.4148 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(120, 114, 71) }
```

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

```
.border{ border-color:rgb(120, 114, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 114, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 114, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 114, 71);  
box-shadow:4px 4px 4px 4px rgb(120, 114,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4826, 0.3749, 0.4148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 114, 71) }
```

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

```
.background{ background-color: rgb(120,  
114, 71) }
```

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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