

Converting Colors

$Y_{xy}(17.0293, 0.4002, 0.4616)$

Have a look what the booklet for
Yxy(17.0293, 0.4002, 0.4616)
contains.

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Color

Yxy(16.9848, 0.4004, 0.4614)

Conversions

Conversions Part 1

Format	Color
Hex	79752E
RGB	121, 117, 46
RGB Percent	47%, 46%, 18%
CMY	0.5255, 0.5412, 0.8196
CMYK	0.00, 0.03, 0.62, 0.53
HSL	57°, 45%, 33%
HSV	57°, 62%, 47%
XYZ	14.7393, 16.9848, 5.0873
YIQ	110.1020, 25.1750, -21.2330

Conversions

Conversions Part 2

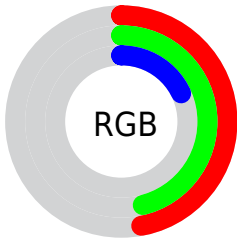
Format	Color
R_{YB}	50, 121, 46
Decimal	7959854
CIE _{Lab}	48.24, -8.27, 38.73
CIE _{LCh}	48, 39.600, 102.059
Y _{xy}	16.9848, 0.4004, 0.4614
Android (android.graphics.Color)	4286149934 (0xFF79752E)
Y_{UV}	110.1020, -31.6023, 9.5575
Hunter-Lab	41.2126, -8.2833, 21.5300

Details

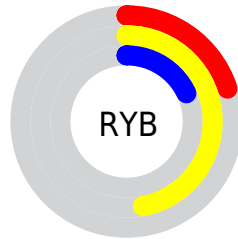
The Yxy color **16.9848, 0.4004, 0.4614** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.2429, 0.2002, 0.1485**, and the grayscale version is **15.7114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3161, 0.3826, 0.4321**, and **5.5583, 0.4216, 0.5035** is the 20% darker color. If you saturate the color by 10%, you get **16.7537, 0.4109, 0.4761**, and if you desaturate by 10%, it is **17.2455, 0.3880, 0.4435**.

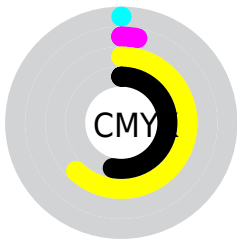
Distribution



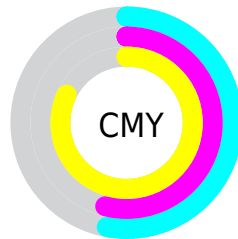
- Red (47%)
- Green (46%)
- Blue (18%)



- Red (20%)
- Yellow (47%)
- Blue (18%)



- Cyan (0%)
- Magenta (3%)
- Yellow (62%)
- Black (53%)




- Cyan (53%)
- Magenta (54%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9848, 0.4004, 0.4614 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 16.9848, 0.4004, 0.4614 by changing the saturation by 10% instead.


 16.9848, 0.4004,
0.4614


 16.9848, 0.4004,
0.4614


235.0848, 0.3528,
0.3854


 10.2237, 0.4117,
0.4826


 38.2996, 0.3829,
0.4317


 5.5475, 0.4250,
0.5108

 53.6221, 0.3763,
0.4211


 2.5719, 0.4443,
0.5557

 72.5672, 0.3707,
0.4124

 0.9126, 0.4216,
0.5784

 95.5192, 0.3660,
0.4052

 0.0000, 0.0000,
0.0000

 122.8626, 0.3620,
0.3991

 154.9817, 0.3585,

0.3939

192.2610, 0.3555,
0.3894

■ 16.9848, 0.4004,
0.4614

■ 16.9848, 0.4004,
0.4614

■ 16.7537, 0.4109,
0.4761

■ 17.2455, 0.3880,
0.4435

■ 16.5473, 0.4191,
0.4870

■ 17.5353, 0.3743,
0.4231

■ 16.3639, 0.4248,
0.4938

■ 17.8571, 0.3596,
0.4012

■ 16.2250, 0.4286,
0.4979

■ 18.2124, 0.3447,
0.3784

■ 18.6028, 0.3298,
0.3556

■ 19.0299, 0.3155,
0.3333

■ 19.4950, 0.3018,
0.3119

■ 19.9995, 0.2890,
0.2918

■ 20.5445, 0.2772,
0.2731

Harmonies

Analogous

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



16.9848, 0.4517, 0.4176



16.9848, 0.4004, 0.4614



16.9848, 0.3292, 0.4686

Triad

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



16.9848, 0.4004, 0.4614



16.9848, 0.1809, 0.2665



16.9848, 0.3589, 0.2575

Complementary

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



16.9848, 0.4004, 0.4614



4.2429, 0.2002, 0.1485

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.



16.9848, 0.2806, 0.2244



16.9848, 0.4004, 0.4614



16.9848, 0.1865, 0.2247

Square

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



16.9848, 0.4004, 0.4614



16.9848, 0.2046, 0.3383



16.9848, 0.2202, 0.2121



16.9848, 0.4304, 0.3058

Rectangle

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



16.9848, 0.4004, 0.4614



16.9848, 0.2802, 0.4421



16.9848, 0.2202, 0.2121



16.9848, 0.3320, 0.2444

Sweetspot

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



16.9856, 0.4004, 0.4614



32.7849, 0.3410, 0.3727



6.2587, 0.4836, 0.3200



7.4604, 0.3444, 0.3780



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.



16.9856, 0.4004, 0.4614



29.8554, 0.4143, 0.4808



15.9703, 0.3515, 0.4923



4.5991, 0.3256, 0.3491



17.3838, 0.4286, 0.4979



82.5206, 0.4291, 0.4975

Inverse Universe

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



4.2429, 0.2002, 0.1485



5.0054, 0.1765, 0.1087



4.9764, 0.2437, 0.1593



3.9246, 0.2994, 0.3081



1.6238, 0.1515, 0.0652



7.3560, 0.1506, 0.0623

Previews

White Background



This preview shows how the Yxy color 16.9848, 0.4004, 0.4614 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 16.9848, 0.4004, 0.4614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

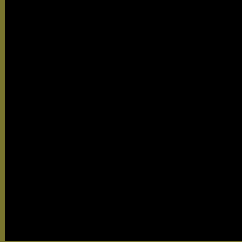
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9848, 0.4004, 0.4614

Background



This preview shows how black text looks on a background with the Yxy color 16.9848, 0.4004, 0.4614.



This preview shows how white text looks on a background with the Yxy color 16.9848, 0.4004, 0.4614.

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

16.9848, 0.4004, 0.4614

Protanopia

17.0401, 0.4135, 0.4544

Deuteranopia

16.9015, 0.4375, 0.4310



Tritanopia

17.0491, 0.3269, 0.3140

Trichromacy



Original Color

16.9848, 0.4004, 0.4614

Protanomaly

17.0402, 0.4081, 0.4582

Deuteranomaly

16.8619, 0.4237, 0.4426

Tritanomaly

16.9429, 0.3560, 0.3701

Monochromacy



Original Color

16.9848, 0.4004, 0.4614

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.0758, 0.3468, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9848, 0.4004, 0.4614 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, 117, 46)` looks like.

```
.text, #text, p{  
    color:rgb(121, 117, 46)  
}
```

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, 117, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 117, 46) }
```

Border

The CSS property to change the border of an element to Yxy 16.9848, 0.4004, 0.4614 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, 117, 46) }
```

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

```
.border{ border-color:rgb(121, 117, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 117, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 117, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 117, 46);  
box-shadow:4px 4px 4px 4px rgb(121, 117,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9848, 0.4004, 0.4614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 117, 46) }
```

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

```
.background{ background-color: rgb(121,  
117, 46) }
```

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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