

Converting Colors

$Y_{xy}(16.2636, 0.4025, 0.4004)$

Have a look what the booklet for
Yxy(16.2636, 0.4025, 0.4004)
contains.

Yxy(16.2357, 0.4014, 0.3999)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.2357, 0.4014, 0.3999)

Conversions

Conversions Part 1

Format	Color
Hex	866C46
RGB	134, 108, 70
RGB Percent	53%, 42%, 27%
CMY	0.4746, 0.5764, 0.7255
CMYK	0.00, 0.19, 0.48, 0.47
HSL	36°, 31%, 40%
HSV	36°, 48%, 53%
XYZ	16.2966, 16.2357, 8.0671
YIQ	111.4420, 27.6940, -6.3060

Conversions

Conversions Part 2

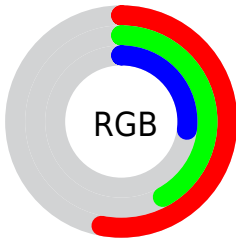
Format	Color
RYB	114, 134, 70
Decimal	8809542
CIELab	47.28, 5.00, 25.11
CIElCh	47, 25.601, 78.727
Yxy	16.2357, 0.4014, 0.3999
Android (android.graphics.Color)	4286999622 (0xFF866C46)
YUV	111.4420, -20.4309, 19.7834
Hunter-Lab	40.2935, 1.6801, 16.3351

Details

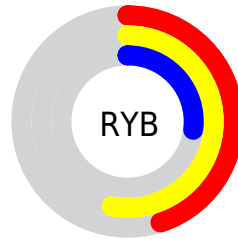
The Yxy color **16.2357, 0.4014, 0.3999** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.3793, 0.2364, 0.2445**, and the grayscale version is **16.0859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9470, 0.3812, 0.3836**, and **5.2015, 0.4375, 0.4275** is the 20% darker color. If you saturate the color by 10%, you get **14.9744, 0.4240, 0.4132**, and if you desaturate by 10%, it is **17.6078, 0.3798, 0.3852**.

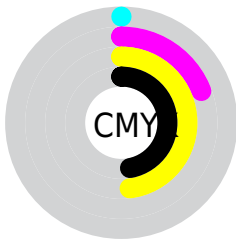
Distribution



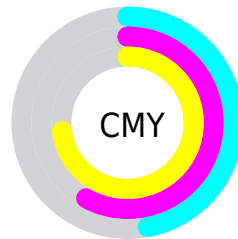
- Red (53%)
- Green (42%)
- Blue (27%)



- Red (45%)
- Yellow (53%)
- Blue (27%)



- Cyan (0%)
- Magenta (19%)
- Yellow (48%)
- Black (47%)




- Cyan (47%)
- Magenta (58%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2357, 0.4014, 0.3999 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 16.2357, 0.4014, 0.3999 by changing the saturation by 10% instead.


 16.2357, 0.4014,
0.3999


 16.2357, 0.4014,
0.3999


 230.7285, 0.3498,
0.3598


 9.6911, 0.4170,
0.4112


 37.0069, 0.3807,
0.3842


 5.1946, 0.4384,
0.4260

 52.0023, 0.3735,
0.3787

 2.3619, 0.4805,
0.4561

 70.5834, 0.3677,
0.3741

 0.8062, 0.5245,
0.4755

 93.1346, 0.3629,
0.3703

 0.0000, 0.0000,
0.0000

 120.0404, 0.3588,
0.3671

151.6850, 0.3554,

0.3643

188.4529, 0.3524,
0.3619

■ 16.2357, 0.4014,
0.3999

■ 16.2357, 0.4014,
0.3999

■ 14.9744, 0.4240,
0.4132

■ 17.6078, 0.3798,
0.3852

■ 13.8178, 0.4468,
0.4242

■ 19.0920, 0.3596,
0.3699

■ 12.7624, 0.4687,
0.4316

■ 20.6924, 0.3411,
0.3547

■ 11.8036, 0.4887,
0.4346

■ 22.4121, 0.3244,
0.3399

■ 10.9330, 0.5063,
0.4333

■ 24.2542, 0.3095,
0.3259

■ 10.7476, 0.5104,
0.4330

■ 26.2216, 0.2963,
0.3128

■ 28.3170, 0.2845,
0.3007

■ 30.5431, 0.2741,
0.2894

■ 32.9024, 0.2649,
0.2791

Harmonies

Analogous

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



16.2357, 0.4144, 0.3641



16.2357, 0.4014, 0.3999



16.2357, 0.3644, 0.4203

Triad

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



16.2357, 0.4014, 0.3999



16.2357, 0.2340, 0.3254



16.2357, 0.3035, 0.2602

Complementary

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



16.2357, 0.4014, 0.3999



11.3793, 0.2364, 0.2445

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.



16.2357, 0.2580, 0.2483



16.2357, 0.4014, 0.3999



16.2357, 0.2206, 0.2811

Square

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



16.2357, 0.4014, 0.3999



16.2357, 0.2677, 0.3763



16.2357, 0.2290, 0.2547



16.2357, 0.3553, 0.2871

Rectangle

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



16.2357, 0.4014, 0.3999



16.2357, 0.3322, 0.4190



16.2357, 0.2290, 0.2547



16.2357, 0.2869, 0.2544

Sweetspot

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



16.2365, 0.4014, 0.3999



37.4939, 0.3351, 0.3495



10.3019, 0.3834, 0.2790



8.3225, 0.3383, 0.3523



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.



16.2365, 0.4014, 0.3999



26.2881, 0.4251, 0.4138



22.1253, 0.3738, 0.4440



5.1144, 0.3266, 0.3419



10.0970, 0.5100, 0.4332



0.0494, 0.4620, 0.4714

Inverse Universe

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



11.3793, 0.2364, 0.2445



16.6963, 0.2196, 0.2217



7.6083, 0.2323, 0.1877



4.8319, 0.2992, 0.3158



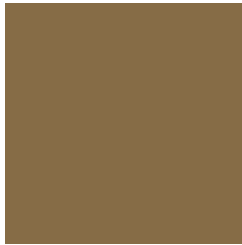
4.1382, 0.1703, 0.1331



0.0280, 0.1930, 0.2148

Previews

White Background



This preview shows how the Yxy color 16.2357, 0.4014, 0.3999 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 16.2357, 0.4014, 0.3999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

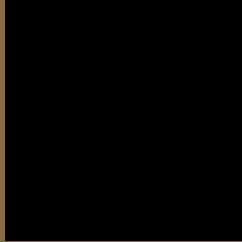
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2357, 0.4014, 0.3999

Background



This preview shows how black text looks on a background with the Yxy color 16.2357, 0.4014, 0.3999.



This preview shows how white text looks on a background with the Yxy color 16.2357, 0.4014, 0.3999.

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

16.2357, 0.4014, 0.3999

Protanopia

16.1938, 0.3781, 0.4084

Deuteranopia

16.1918, 0.4052, 0.3973



Tritanopia

16.2515, 0.3523, 0.3145

Trichromacy



Original Color

16.2357, 0.4014, 0.3999

Protanomaly

16.2594, 0.3859, 0.4068

Deuteranomaly

16.1085, 0.4038, 0.3977

Tritanomaly

16.2660, 0.3717, 0.3459

Monochromacy



Original Color

16.2357, 0.4014, 0.3999

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.9183, 0.3434, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2357, 0.4014, 0.3999 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(134, 108, 70)` looks like.

```
.text, #text, p{  
    color:rgb(134, 108, 70)  
}
```

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(134, 108, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 108, 70) }
```

Border

The CSS property to change the border of an element to Yxy 16.2357, 0.4014, 0.3999 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(134, 108, 70) }
```

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

```
.border{ border-color:rgb(134, 108, 70) }
```

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

Here you see how a box with a 4 pixel rgb(134, 108, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 108, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 108, 70);  
box-shadow:4px 4px 4px 4px rgb(134, 108,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2357, 0.4014, 0.3999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 108, 70) }
```

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

```
.background{ background-color: rgb(134,  
108, 70) }
```

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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