

Converting Colors

$Y_{xy}(16.6968, 0.3838, 0.4420)$

Have a look what the booklet for
Yxy(16.6968, 0.3838, 0.4420)
contains.

Yxy(16.6581, 0.3842, 0.4412)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.6581, 0.3842, 0.4412)

Conversions

Conversions Part 1

Format	Color
Hex	76743B
RGB	118, 116, 59
RGB Percent	46%, 45%, 23%
CMY	0.5373, 0.5451, 0.7685
CMYK	0.00, 0.02, 0.50, 0.54
HSL	58°, 33%, 35%
HSV	58°, 50%, 46%
XYZ	14.5060, 16.6581, 6.5923
YIQ	110.1000, 19.4890, -17.3030

Conversions

Conversions Part 2

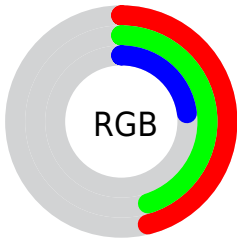
Format	Color
RYB	61, 118, 59
Decimal	7763003
CIELab	47.83, -7.91, 31.51
CIElCh	48, 32.490, 104.094
Yxy	16.6581, 0.3842, 0.4412
Android (android.graphics.Color)	4285953083 (0xFF76743B)
YUV	110.1000, -25.1923, 6.9283
Hunter-Lab	40.8143, -7.9837, 18.9936

Details

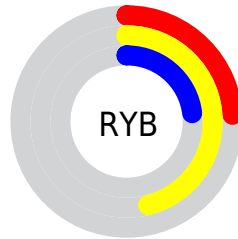
The Yxy color **16.6581, 0.3842, 0.4412** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.5781, 0.2235, 0.1848**, and the grayscale version is **15.6935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7459, 0.3683, 0.4150**, and **5.3897, 0.4085, 0.4874** is the 20% darker color. If you saturate the color by 10%, you get **16.4583, 0.3964, 0.4599**, and if you desaturate by 10%, it is **16.8875, 0.3706, 0.4202**.

Distribution



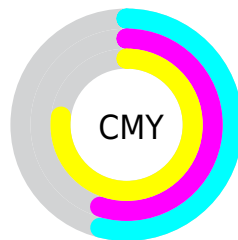
- Red (46%)
- Green (45%)
- Blue (23%)



- Red (24%)
- Yellow (46%)
- Blue (23%)



- Cyan (0%)
- Magenta (2%)
- Yellow (50%)
- Black (54%)



- Cyan (54%)
- Magenta (55%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6581, 0.3842, 0.4412 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 16.6581, 0.3842, 0.4412 by changing the saturation by 10% instead.

■ 16.6581, 0.3842,
0.4412

■ 16.6581, 0.3842,
0.4412

■ 233.1943, 0.3444,
0.3757

■ 9.9910, 0.3947,
0.4608

■ 37.7370, 0.3690,
0.4149

■ 5.3930, 0.4075,
0.4874

■ 52.9176, 0.3635,
0.4058

■ 2.4796, 0.4457,
0.5543

■ 71.7048, 0.3589,
0.3984

■ 0.8664, 0.4211,
0.5789

■ 94.4831, 0.3551,
0.3923

■ 0.0000, 0.0000,
0.0000

■ 121.6368, 0.3518,
0.3871

■ 153.5503, 0.3490,

0.3827

190.6080, 0.3466,
0.3790

■ 16.6581, 0.3842,
0.4412

■ 16.6581, 0.3842,
0.4412

■ 16.4583, 0.3964,
0.4599

■ 16.8875, 0.3706,
0.4202

■ 16.2839, 0.4068,
0.4754

■ 17.1460, 0.3562,
0.3977

■ 16.1336, 0.4150,
0.4873

■ 17.4358, 0.3415,
0.3746

■ 16.0048, 0.4208,
0.4952

■ 17.7585, 0.3268,
0.3515

■ 15.8887, 0.4251,
0.5007

■ 18.1154, 0.3127,
0.3289

■ 15.8884, 0.4251,
0.5007

■ 18.5078, 0.2992,
0.3074

■ 18.9369, 0.2866,
0.2872

■ 19.4039, 0.2749,
0.2684

■ 19.9099, 0.2642,
0.2511

Harmonies

Analogous

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



16.6581, 0.4276, 0.4089



16.6581, 0.3842, 0.4412



16.6581, 0.3241, 0.4410

Triad

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



16.6581, 0.3842, 0.4412



16.6581, 0.2004, 0.2750



16.6581, 0.3559, 0.2712

Complementary

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



16.6581, 0.3842, 0.4412



5.5781, 0.2235, 0.1848

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.



16.6581, 0.2907, 0.2414



16.6581, 0.3842, 0.4412



16.6581, 0.2067, 0.2401

Square

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



16.6581, 0.3842, 0.4412



16.6581, 0.2199, 0.3332



16.6581, 0.2378, 0.2298



16.6581, 0.4130, 0.3138

Rectangle

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



16.6581, 0.3842, 0.4412



16.6581, 0.2830, 0.4170



16.6581, 0.2378, 0.2298



16.6581, 0.3339, 0.2595

Sweetspot

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



16.6589, 0.3842, 0.4412



30.9151, 0.3347, 0.3639



7.3296, 0.4367, 0.3232



7.0867, 0.3371, 0.3677



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



16.6589, 0.3842, 0.4412



28.8928, 0.3982, 0.4625



15.5191, 0.3453, 0.4609



4.2461, 0.3255, 0.3493



17.1872, 0.4251, 0.5007



83.4927, 0.4254, 0.5004

Inverse Universe

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



5.5781, 0.2235, 0.1848



6.9989, 0.2007, 0.1473



6.3966, 0.2620, 0.1942



3.6079, 0.2995, 0.3079



1.5047, 0.1510, 0.0634



7.0789, 0.1504, 0.0614

Previews

White Background



This preview shows how the Yxy color 16.6581, 0.3842, 0.4412 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 16.6581, 0.3842, 0.4412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

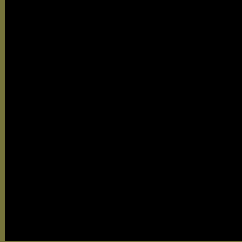
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6581, 0.3842, 0.4412

Background



This preview shows how black text looks on a background with the Yxy color 16.6581, 0.3842, 0.4412.



This preview shows how white text looks on a background with the Yxy color 16.6581, 0.3842, 0.4412.

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

16.6581, 0.3842, 0.4412

Protanopia

16.7001, 0.3972, 0.4353

Deuteranopia

16.5510, 0.4200, 0.4125



Tritanopia

16.5304, 0.3216, 0.3118

Trichromacy



Original Color

16.6581, 0.3842, 0.4412

Protanomaly

16.7045, 0.3920, 0.4388

Deuteranomaly

16.5204, 0.4066, 0.4235

Tritanomaly

16.5890, 0.3456, 0.3588

Monochromacy



Original Color

16.6581, 0.3842, 0.4412

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.8544, 0.3407, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6581, 0.3842, 0.4412 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(118, 116, 59)` looks like.

```
.text, #text, p{  
    color:rgb(118, 116, 59)  
}
```

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(118, 116, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 116, 59) }
```

Border

The CSS property to change the border of an element to Yxy 16.6581, 0.3842, 0.4412 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(118, 116, 59) }
```

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

```
.border{ border-color:rgb(118, 116, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 116, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 116, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 116, 59);  
box-shadow:4px 4px 4px 4px rgb(118, 116,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6581, 0.3842, 0.4412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 116, 59) }
```

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

```
.background{ background-color: rgb(118,  
116, 59) }
```

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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