

Converting Colors

$Y_{xy}(16.2036, 0.3686, 0.3728)$

Have a look what the booklet for
Yxy(16.2036, 0.3686, 0.3728)
contains.

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Color

Yxy(16.2146, 0.3690, 0.3719)

Conversions

Conversions Part 1

Format	Color
Hex	806D57
RGB	128, 109, 87
RGB Percent	50%, 43%, 34%
CMY	0.4981, 0.5725, 0.6589
CMYK	0.00, 0.15, 0.32, 0.50
HSL	32°, 19%, 42%
HSV	32°, 32%, 50%
XYZ	16.0882, 16.2146, 11.2966
YIQ	112.1730, 18.3860, -2.8140

Conversions

Conversions Part 2

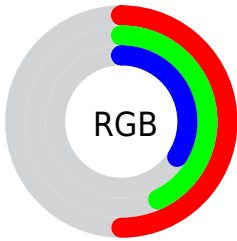
Format	Color
RYB	122, 128, 87
Decimal	8416599
CIELab	47.25, 3.93, 15.08
CIElCh	47, 15.587, 75.383
Yxy	16.2146, 0.3690, 0.3719
Android (android.graphics.Color)	4286606679 (0xFF806D57)
YUV	112.1730, -12.4103, 13.8803
Hunter-Lab	40.2674, 0.8489, 11.5539

Details

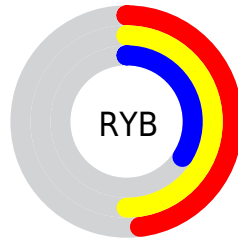
The Yxy color **16.2146, 0.3690, 0.3719** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.8828, 0.2633, 0.2818**, and the grayscale version is **16.2893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7715, 0.3551, 0.3613**, and **5.2250, 0.3953, 0.3923** is the 20% darker color. If you saturate the color by 10%, you get **14.8030, 0.3908, 0.3857**, and if you desaturate by 10%, it is **17.7499, 0.3492, 0.3580**.

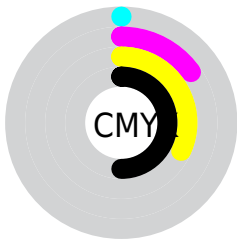
Distribution



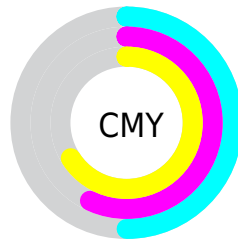
- Red (50%)
- Green (43%)
- Blue (34%)



- Red (48%)
- Yellow (50%)
- Blue (34%)



- Cyan (0%)
- Magenta (15%)
- Yellow (32%)
- Black (50%)





- Cyan (50%)
- Magenta (57%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2146, 0.3690, 0.3719 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 16.2146, 0.3690, 0.3719 by changing the saturation by 10% instead.


 16.2146, 0.3690,
0.3719


 16.2146, 0.3690,
0.3719


230.6047, 0.3359,
0.3472


 9.6761, 0.3795,
0.3794


 36.9704, 0.3555,
0.3620


 5.1848, 0.3945,
0.3899

 51.9564, 0.3509,
0.3586


 2.3561, 0.4179,
0.4054

 70.5272, 0.3472,
0.3558

 0.8031, 0.5169,
0.4831

 93.0670, 0.3441,
0.3535

 0.0000, 0.0000,
0.0000

 119.9603, 0.3416,
0.3515

151.5914, 0.3394,

0.3499

188.3447, 0.3375,
0.3484

■ 16.2146, 0.3690,
0.3719

■ 16.2146, 0.3690,
0.3719

■ 14.8030, 0.3908,
0.3857

■ 17.7499, 0.3492,
0.3580

■ 13.5093, 0.4143,
0.3986

■ 19.4101, 0.3314,
0.3445

■ 12.3303, 0.4390,
0.4099

■ 21.1993, 0.3157,
0.3315

■ 11.2620, 0.4639,
0.4184

■ 23.1205, 0.3018,
0.3194

■ 10.2997, 0.4878,
0.4230

■ 25.1768, 0.2895,
0.3081

■ 9.4385, 0.5093,
0.4228

■ 27.3711, 0.2788,
0.2977

■ 8.8142, 0.5257,
0.4208

■ 29.7061, 0.2693,
0.2881

■ 32.1845, 0.2610,
0.2793

■ 34.8091, 0.2536,
0.2712

Harmonies

Analogous

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



16.2146, 0.3741, 0.3498



16.2146, 0.3690, 0.3719



16.2146, 0.3484, 0.3838

Triad

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



16.2146, 0.3690, 0.3719



16.2146, 0.2656, 0.3312



16.2146, 0.3042, 0.2839

Complementary

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



16.2146, 0.3690, 0.3719



13.8828, 0.2633, 0.2818

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.



16.2146, 0.2764, 0.2779



16.2146, 0.3690, 0.3719



16.2146, 0.2550, 0.3033

Square

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



16.2146, 0.3690, 0.3719



16.2146, 0.2886, 0.3602



16.2146, 0.2588, 0.2844



16.2146, 0.3357, 0.3005

Rectangle

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



16.2146, 0.3690, 0.3719



16.2146, 0.3292, 0.3831



16.2146, 0.2588, 0.2844



16.2146, 0.2941, 0.2806

Sweetspot

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



16.2153, 0.3690, 0.3719



34.7367, 0.3285, 0.3421



12.4455, 0.3497, 0.2919



8.0480, 0.3304, 0.3436



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.2153, 0.3690, 0.3719



26.8340, 0.3837, 0.3814



20.6026, 0.3571, 0.4058



4.6970, 0.3266, 0.3406



8.7459, 0.5257, 0.4208



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.8828, 0.2633, 0.2818



22.0916, 0.2524, 0.2698



10.4651, 0.2602, 0.2397



4.5141, 0.2993, 0.3171



4.6729, 0.1753, 0.1509



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.2146, 0.3690, 0.3719 looks on a white background.

Color Contrast Check

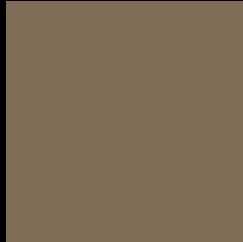
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2146, 0.3690, 0.3719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

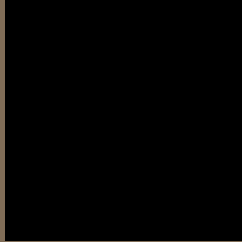
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2146, 0.3690, 0.3719

Background



This preview shows how black text looks on a background with the Yxy color 16.2146, 0.3690, 0.3719.



This preview shows how white text looks on a background with the Yxy color 16.2146, 0.3690, 0.3719.

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

16.2146, 0.3690, 0.3719

Protanopia

16.2149, 0.3531, 0.3776

Deuteranopia

16.2385, 0.3740, 0.3693



Tritanopia

16.1434, 0.3374, 0.3122

Trichromacy



Original Color

16.2146, 0.3690, 0.3719

Protanomaly

16.2110, 0.3579, 0.3750

Deuteranomaly

16.1591, 0.3725, 0.3696

Tritanomaly

16.0534, 0.3496, 0.3329

Monochromacy



Original Color

16.2146, 0.3690, 0.3719

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.1997, 0.3324, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2146, 0.3690, 0.3719 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(128, 109, 87)` looks like.

```
.text, #text, p{  
    color:rgb(128, 109, 87)  
}
```

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(128, 109, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 109, 87) }
```

Border

The CSS property to change the border of an element to Yxy 16.2146, 0.3690, 0.3719 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(128, 109, 87) }
```

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

```
.border{ border-color:rgb(128, 109, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 109, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 109, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 109, 87);  
box-shadow:4px 4px 4px 4px rgb(128, 109,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2146, 0.3690, 0.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 109, 87) }
```

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

```
.background{ background-color: rgb(128,  
109, 87) }
```

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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