

Converting Colors

$Y_{xy}(16.0710, 0.3698, 0.3930)$

Have a look what the booklet for
Yxy(16.0710, 0.3698, 0.3930)
contains.

Yxy(16.0710, 0.3698, 0.3930)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.0710, 0.3698, 0.3930)

Conversions

Conversions Part 1

Format	Color
Hex	7A6F4F
RGB	122, 111, 79
RGB Percent	48%, 44%, 31%
CMY	0.5215, 0.5647, 0.6902
CMYK	0.00, 0.09, 0.35, 0.52
HSL	45°, 21%, 39%
HSV	45°, 35%, 48%
XYZ	15.1223, 16.0710, 9.6999
YIQ	110.6410, 16.8280, -7.6200

Conversions

Conversions Part 2

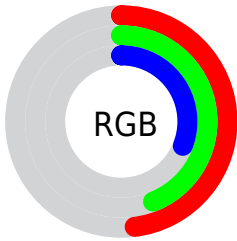
Format	Color
RYB	94, 122, 79
Decimal	8023887
CIELab	47.07, -0.91, 19.41
CIElCh	47, 19.435, 92.681
Yxy	16.0710, 0.3698, 0.3930
Android (android.graphics.Color)	4286213967 (0xFF7A6F4F)
YUV	110.6410, -15.5990, 9.9618
Hunter-Lab	40.0887, -2.8212, 13.7162

Details

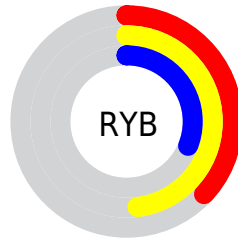
The Yxy color **16.0710, 0.3698, 0.3930** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.3788, 0.2557, 0.2554**, and the grayscale version is **15.8297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8669, 0.3565, 0.3791**, and **5.1600, 0.3926, 0.4226** is the 20% darker color. If you saturate the color by 10%, you get **15.2407, 0.3879, 0.4110**, and if you desaturate by 10%, it is **16.9592, 0.3523, 0.3745**.

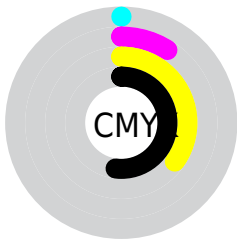
Distribution



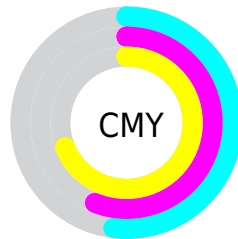
- Red (48%)
- Green (44%)
- Blue (31%)



- Red (37%)
- Yellow (48%)
- Blue (31%)



- Cyan (0%)
- Magenta (9%)
- Yellow (35%)
- Black (52%)





- Cyan (52%)
- Magenta (56%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0710, 0.3698, 0.3930 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 16.0710, 0.3698, 0.3930 by changing the saturation by 10% instead.


 16.0710, 0.3698,
0.3930


 16.0710, 0.3698,
0.3930


229.7603, 0.3366,
0.3556


 9.5744, 0.3800,
0.4046


 36.7214, 0.3564,
0.3778


 5.1177, 0.3943,
0.4210

 51.6440, 0.3518,
0.3726

 2.3165, 0.4173,
0.4475

 70.1441, 0.3480,
0.3684

 0.7824, 0.4797,
0.5203

 92.6061, 0.3449,
0.3650

 0.0000, 0.0000,
0.0000

 119.4143, 0.3423,
0.3620

150.9531, 0.3401,

0.3596

187.6070, 0.3382,
0.3574

■ 16.0710, 0.3698,
0.3930

■ 16.0710, 0.3698,
0.3930

■ 15.2407, 0.3879,
0.4110

■ 16.9592, 0.3523,
0.3745

■ 14.4640, 0.4060,
0.4276

■ 17.9050, 0.3357,
0.3560

■ 13.7396, 0.4235,
0.4419

■ 18.9109, 0.3203,
0.3381

■ 13.0649, 0.4397,
0.4530

■ 19.9785, 0.3062,
0.3210

■ 12.4373, 0.4538,
0.4602

■ 21.1095, 0.2933,
0.3050

■ 11.8523, 0.4654,
0.4632

■ 22.3054, 0.2816,
0.2900

■ 11.5848, 0.4709,
0.4643

■ 23.5676, 0.2711,
0.2762

■ 24.8976, 0.2616,
0.2634

■ 26.2966, 0.2531,
0.2518

Harmonies

Analogous

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



16.0710, 0.3885, 0.3710



16.0710, 0.3698, 0.3930



16.0710, 0.3362, 0.3981

Triad

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



16.0710, 0.3698, 0.3930



16.0710, 0.2447, 0.3101



16.0710, 0.3246, 0.2839

Complementary

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



16.0710, 0.3698, 0.3930



10.3788, 0.2557, 0.2554

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.



16.0710, 0.2860, 0.2686



16.0710, 0.3698, 0.3930



16.0710, 0.2420, 0.2814

Square

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



16.0710, 0.3698, 0.3930



16.0710, 0.2645, 0.3475



16.0710, 0.2565, 0.2672



16.0710, 0.3618, 0.3095

Rectangle

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



16.0710, 0.3698, 0.3930



16.0710, 0.3104, 0.3892



16.0710, 0.2565, 0.2672



16.0710, 0.3113, 0.2774

Sweetspot

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



16.0717, 0.3698, 0.3930



32.1897, 0.3294, 0.3488



10.4746, 0.3700, 0.3055



7.3183, 0.3311, 0.3507



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.



16.0717, 0.3698, 0.3930



27.1291, 0.3838, 0.4070



17.9282, 0.3497, 0.4165



4.4686, 0.3261, 0.3449



12.1816, 0.4711, 0.4642



56.6860, 0.4744, 0.4615

Inverse Universe

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



10.3788, 0.2557, 0.2554



15.6025, 0.2418, 0.2358



9.1209, 0.2662, 0.2328



4.0449, 0.2994, 0.3126



2.5107, 0.1598, 0.0952



10.7906, 0.1576, 0.0871

Previews

White Background



This preview shows how the Yxy color 16.0710, 0.3698, 0.3930 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 16.0710, 0.3698, 0.3930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

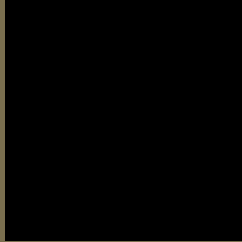
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0710, 0.3698, 0.3930

Background



This preview shows how black text looks on a background with the Yxy color 16.0710, 0.3698, 0.3930.



This preview shows how white text looks on a background with the Yxy color 16.0710, 0.3698, 0.3930.

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

16.0710, 0.3698, 0.3930

Protanopia

16.1459, 0.3662, 0.3955

Deuteranopia

16.0811, 0.3873, 0.3803



Tritanopia

15.9815, 0.3288, 0.3118

Trichromacy



Original Color

16.0710, 0.3698, 0.3930

Protanomaly

16.2178, 0.3677, 0.3952

Deuteranomaly

15.9714, 0.3807, 0.3833

Tritanomaly

16.0444, 0.3445, 0.3408

Monochromacy



Original Color

16.0710, 0.3698, 0.3930

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.9146, 0.3334, 0.3536

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0710, 0.3698, 0.3930 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(122, 111, 79)` looks like.

```
.text, #text, p{  
    color:rgb(122, 111, 79)  
}
```

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(122, 111, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 111, 79) }
```

Border

The CSS property to change the border of an element to Yxy 16.0710, 0.3698, 0.3930 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(122, 111, 79) }
```

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

```
.border{ border-color:rgb(122, 111, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 111, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 111, 79); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 111, 79); box-shadow:4px 4px 4px 4px rgb(122, 111, 79) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0710, 0.3698, 0.3930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 111, 79) }
```

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

```
.background{ background-color: rgb(122,  
111, 79) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor