

Converting Colors

$Y_{xy}(15.3986, 0.3643, 0.4122)$

Have a look what the booklet for
Yxy(15.3986, 0.3643, 0.4122)
contains.

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Color

Yxy(15.2815, 0.3640, 0.4110)

Conversions

Conversions Part 1

Format	Color
Hex	706F48
RGB	112, 111, 72
RGB Percent	44%, 44%, 28%
CMY	0.5609, 0.5647, 0.7177
CMYK	0.00, 0.01, 0.36, 0.56
HSL	59°, 22%, 36%
HSV	59°, 36%, 44%
XYZ	13.5340, 15.2815, 8.3658
YIQ	106.8530, 13.1150, -11.9170

Conversions

Conversions Part 2

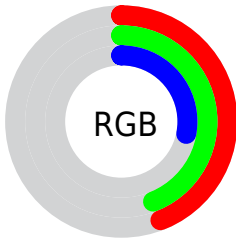
Format	Color
R_{YB}	73, 112, 72
Decimal	7368520
CIE Lab	46.02, -6.22, 21.90
CIE LCh	46, 22.768, 105.857
Yxy	15.2815, 0.3640, 0.4110
Android (android.graphics.Color)	4285558600 (0xFF706F48)
YUV	106.8530, -17.1825, 4.5139
Hunter-Lab	39.0916, -6.6113, 14.6757

Details

The Yxy color **15.2815, 0.3640, 0.4110** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.3068, 0.2524, 0.2313**, and the grayscale version is **14.7053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4674, 0.3517, 0.3916**, and **4.6909, 0.3853, 0.4490** is the 20% darker color. If you saturate the color by 10%, you get **15.0900, 0.3778, 0.4328**, and if you desaturate by 10%, it is **15.5012, 0.3496, 0.3881**.

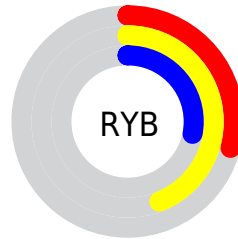
Distribution



Red (44%)

Green (44%)

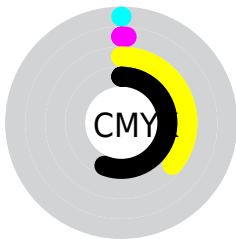
Blue (28%)



Red (29%)

Yellow (44%)

Blue (28%)

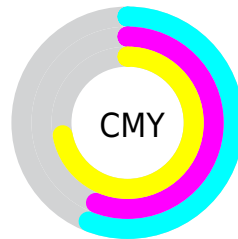


Cyan (0%)

Magenta (1%)

Yellow (36%)

Black (56%)



Cyan (56%)


Magenta (56%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2815, 0.3640, 0.4110 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 15.2815, 0.3640, 0.4110 by changing the saturation by 10% instead.


 15.2815, 0.3640,
0.4110


 15.2815, 0.3640,
0.4110


225.0638, 0.3345,
0.3621


 9.0172, 0.3727,
0.4267


 35.3463, 0.3522,
0.3909


 4.7524, 0.3845,
0.4493

 49.9155, 0.3481,
0.3841

 2.1027, 0.4102,
0.4956

 68.0218, 0.3448,
0.3786

 0.6662, 0.4194,
0.5806

 90.0497, 0.3420,
0.3741

 0.0000, 0.0000,
0.0000

 116.3834, 0.3397,
0.3704

147.4074, 0.3377,

0.3672

183.5061, 0.3360,
0.3645

■ 15.2815, 0.3640,
0.4110

■ 15.2815, 0.3640,
0.4110

■ 15.0900, 0.3778,
0.4328

■ 15.5012, 0.3496,
0.3881

■ 14.9232, 0.3904,
0.4526

■ 15.7483, 0.3350,
0.3648

■ 14.7801, 0.4015,
0.4697

■ 16.0248, 0.3207,
0.3418

■ 14.6591, 0.4104,
0.4833

■ 16.3319, 0.3069,
0.3196

■ 14.5581, 0.4170,
0.4931

■ 16.6707, 0.2938,
0.2985

■ 14.4730, 0.4216,
0.4995

■ 17.0422, 0.2816,
0.2788

■ 14.4375, 0.4234,
0.5020

■ 17.4474, 0.2704,
0.2605

■ 17.8873, 0.2600,
0.2437

■ 18.3629, 0.2506,
0.2283

Harmonies

Analogous

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



15.2815, 0.3957, 0.3914



15.2815, 0.3640, 0.4110



15.2815, 0.3199, 0.4066

Triad

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



15.2815, 0.3640, 0.4110



15.2815, 0.2287, 0.2891



15.2815, 0.3472, 0.2879

Complementary

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



15.2815, 0.3640, 0.4110



7.3068, 0.2524, 0.2313

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.



15.2815, 0.3001, 0.2643



15.2815, 0.3640, 0.4110



15.2815, 0.2346, 0.2628

Square

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



15.2815, 0.3640, 0.4110



15.2815, 0.2431, 0.3305



15.2815, 0.2596, 0.2549



15.2815, 0.3866, 0.3212

Rectangle

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



15.2815, 0.3640, 0.4110



15.2815, 0.2897, 0.3885



15.2815, 0.2596, 0.2549



15.2815, 0.3315, 0.2787

Sweetspot

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



15.2822, 0.3640, 0.4110



27.8856, 0.3286, 0.3546



8.5625, 0.3890, 0.3262



6.6877, 0.3301, 0.3569



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



15.2822, 0.3640, 0.4110



26.5707, 0.3757, 0.4295



14.3952, 0.3364, 0.4209



3.9030, 0.3253, 0.3493



16.6926, 0.4234, 0.5020



82.9611, 0.4237, 0.5018

Inverse Universe

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



7.3068, 0.2524, 0.2313



10.2845, 0.2356, 0.2038



8.0097, 0.2809, 0.2363



3.3122, 0.2996, 0.3078



1.4154, 0.1507, 0.0625



6.8671, 0.1503, 0.0610

Previews

White Background



This preview shows how the Yxy color 15.2815, 0.3640, 0.4110 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 15.2815, 0.3640, 0.4110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

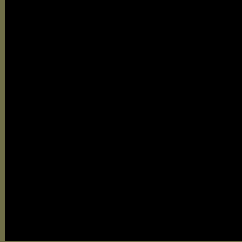
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

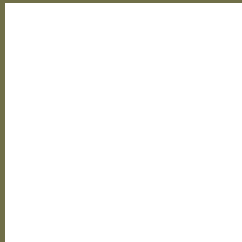
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.2815, 0.3640, 0.4110

Background



This preview shows how black text looks on a background with the Yxy color 15.2815, 0.3640, 0.4110.



This preview shows how white text looks on a background with the Yxy color 15.2815, 0.3640, 0.4110.

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

15.2815, 0.3640, 0.4110

Protanopia

15.2438, 0.3756, 0.4067

Deuteranopia

15.1275, 0.3948, 0.3889



Tritanopia

15.3049, 0.3176, 0.3131

Trichromacy



Original Color

15.2815, 0.3640, 0.4110

Protanomaly

15.3198, 0.3719, 0.4094

Deuteranomaly

15.2074, 0.3819, 0.3970

Tritanomaly

15.2708, 0.3343, 0.3476

Monochromacy



Original Color

15.2815, 0.3640, 0.4110

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.7845, 0.3323, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2815, 0.3640, 0.4110 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(112, 111, 72)` looks like.

```
.text, #text, p{  
    color:rgb(112, 111, 72)  
}
```

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(112, 111, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 111, 72) }
```

Border

The CSS property to change the border of an element to Yxy 15.2815, 0.3640, 0.4110 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(112, 111, 72) }
```

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

```
.border{ border-color:rgb(112, 111, 72) }
```

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

Here you see how a box with a 4 pixel rgb(112, 111, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 111, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 111, 72);  
box-shadow:4px 4px 4px 4px rgb(112, 111,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2815, 0.3640, 0.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 111, 72) }
```

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

```
.background{ background-color: rgb(112,  
111, 72) }
```

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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