

Converting Colors

$Y_{xy}(15.1494, 0.3865, 0.4374)$

Have a look what the booklet for
Yxy(15.1494, 0.3865, 0.4374)
contains.

Yxy(15.0921, 0.3873, 0.4368)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.0921, 0.3873, 0.4368)

Conversions

Conversions Part 1

Format	Color
Hex	736E39
RGB	115, 110, 57
RGB Percent	45%, 43%, 22%
CMY	0.5491, 0.5686, 0.7765
CMYK	0.00, 0.04, 0.50, 0.55
HSL	55°, 34%, 34%
HSV	55°, 50%, 45%
XYZ	13.3818, 15.0921, 6.0776
YIQ	105.4530, 19.9930, -15.4230

Conversions

Conversions Part 2

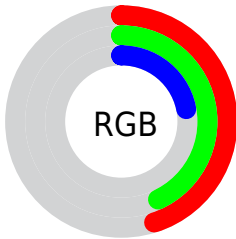
Format	Color
RYB	62, 115, 57
Decimal	7564857
CIELab	45.76, -6.09, 30.05
CIELCh	46, 30.660, 101.465
Yxy	15.0921, 0.3873, 0.4368
Android (android.graphics.Color)	4285754937 (0xFF736E39)
YUV	105.4530, -23.8873, 8.3727
Hunter-Lab	38.8486, -6.4987, 17.9184

Details

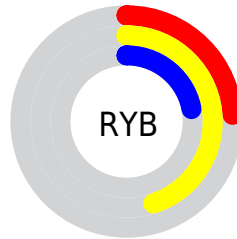
The Yxy color **15.0921, 0.3873, 0.4368** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.5470, 0.2242, 0.1914**, and the grayscale version is **14.3174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8345, 0.3712, 0.4112**, and **4.7030, 0.4128, 0.4832** is the 20% darker color. If you saturate the color by 10%, you get **14.7797, 0.4007, 0.4547**, and if you desaturate by 10%, it is **15.4343, 0.3728, 0.4167**.

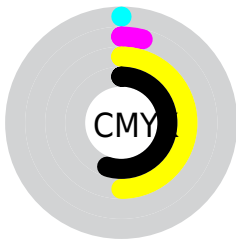
Distribution



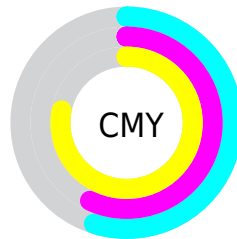
- Red (45%)
- Green (43%)
- Blue (22%)



- Red (24%)
- Yellow (45%)
- Blue (22%)



- Cyan (0%)
- Magenta (4%)
- Yellow (50%)
- Black (55%)





- Cyan (55%)
- Magenta (57%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0921, 0.3873, 0.4368 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 15.0921, 0.3873, 0.4368 by changing the saturation by 10% instead.


 15.0921, 0.3873,
0.4368


 15.0921, 0.3873,
0.4368


 223.9230, 0.3449,
0.3732


 8.8840, 0.3990,
0.4561


 35.0147, 0.3708,
0.4111


 4.6656, 0.4136,
0.4825

 49.4980, 0.3649,
0.4023

 2.0524, 0.4533,
0.5467

 67.5085, 0.3601,
0.3951

 0.6377, 0.4176,
0.5824

 89.4306, 0.3560,
0.3892

 0.0000, 0.0000,
0.0000

 115.6487, 0.3526,
0.3842

 146.5472, 0.3497,

0.3800

182.5105, 0.3471,
0.3764

■ 15.0921, 0.3873,
0.4368

■ 15.0921, 0.3873,
0.4368

■ 14.7797, 0.4007,
0.4547

■ 15.4343, 0.3728,
0.4167

■ 14.4931, 0.4123,
0.4697

■ 15.8057, 0.3577,
0.3952

■ 14.2311, 0.4218,
0.4810

■ 16.2086, 0.3425,
0.3731

■ 13.9913, 0.4289,
0.4884

■ 16.6444, 0.3276,
0.3512

■ 13.7740, 0.4344,
0.4932

■ 17.1143, 0.3133,
0.3299

■ 17.6195, 0.2998,
0.3096

■ 18.1613, 0.2873,
0.2904

■ 18.7407, 0.2757,
0.2727

■ 19.3587, 0.2652,
0.2563

Harmonies

Analogous

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



15.0921, 0.4274, 0.4037



15.0921, 0.3873, 0.4368



15.0921, 0.3294, 0.4397

Triad

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



15.0921, 0.3873, 0.4368



15.0921, 0.2035, 0.2807



15.0921, 0.3493, 0.2693

Complementary

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



15.0921, 0.3873, 0.4368



5.5470, 0.2242, 0.1914

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.



15.0921, 0.2861, 0.2415



15.0921, 0.3873, 0.4368



15.0921, 0.2075, 0.2441

Square

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



15.0921, 0.3873, 0.4368



15.0921, 0.2249, 0.3390



15.0921, 0.2359, 0.2319



15.0921, 0.4065, 0.3103

Rectangle

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



15.0921, 0.3873, 0.4368



15.0921, 0.2889, 0.4186



15.0921, 0.2359, 0.2319



15.0921, 0.3278, 0.2583

Sweetspot

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



15.0928, 0.3873, 0.4368



29.4254, 0.3349, 0.3621



6.9251, 0.4310, 0.3168



6.9889, 0.3374, 0.3657



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.



15.0928, 0.3873, 0.4368



26.3640, 0.4034, 0.4583



14.8145, 0.3495, 0.4600



4.2153, 0.3256, 0.3482



15.7396, 0.4346, 0.4932



76.0803, 0.4355, 0.4924

Inverse Universe

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



5.5470, 0.2242, 0.1914



7.0947, 0.2009, 0.1532



5.8763, 0.2568, 0.1915



3.6356, 0.2995, 0.3090



1.6424, 0.1524, 0.0685



7.4462, 0.1512, 0.0643

Previews

White Background



This preview shows how the Yxy color 15.0921, 0.3873, 0.4368 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 15.0921, 0.3873, 0.4368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

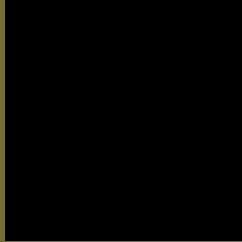
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0921, 0.3873, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 15.0921, 0.3873, 0.4368.



This preview shows how white text looks on a background with the Yxy color 15.0921, 0.3873, 0.4368.

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

15.0921, 0.3873, 0.4368

Protanopia

15.0037, 0.3979, 0.4320

Deuteranopia

15.0028, 0.4190, 0.4106



Tritanopia

15.1354, 0.3262, 0.3133

Trichromacy



Original Color

15.0921, 0.3873, 0.4368

Protanomaly

15.0744, 0.3939, 0.4349

Deuteranomaly

15.0492, 0.4066, 0.4214

Tritanomaly

15.0027, 0.3503, 0.3577

Monochromacy



Original Color

15.0921, 0.3873, 0.4368

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.4712, 0.3406, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0921, 0.3873, 0.4368 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(115, 110, 57)` looks like.

```
.text, #text, p{  
    color:rgb(115, 110, 57)  
}
```

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(115, 110, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 110, 57) }
```

Border

The CSS property to change the border of an element to Yxy 15.0921, 0.3873, 0.4368 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(115, 110, 57) }
```

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

```
.border{ border-color:rgb(115, 110, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 110, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 110, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 110, 57);  
box-shadow:4px 4px 4px 4px rgb(115, 110,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0921, 0.3873, 0.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 110, 57) }
```

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

```
.background{ background-color: rgb(115,  
110, 57) }
```

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