

Converting Colors

$Y_{xy}(15.1938, 0.3977, 0.3904)$

Have a look what the booklet for
Yxy(15.1938, 0.3977, 0.3904)
contains.

Yxy(15.1938, 0.3977, 0.3904)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.1938, 0.3977, 0.3904)

Conversions

Conversions Part 1

Format	Color
Hex	836848
RGB	131, 104, 72
RGB Percent	51%, 41%, 28%
CMY	0.4863, 0.5921, 0.7177
CMYK	0.00, 0.21, 0.45, 0.49
HSL	33°, 29%, 40%
HSV	33°, 45%, 51%
XYZ	15.4779, 15.1938, 8.2468
YIQ	108.4250, 26.3640, -4.2280

Conversions

Conversions Part 2

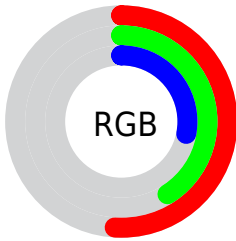
Format	Color
R_YB	122, 131, 72
Decimal	8611912
CIE Lab	45.90, 6.24, 22.10
CIE LCh	46, 22.965, 74.241
Yxy	15.1938, 0.3977, 0.3904
Android (android.graphics.Color)	4286801992 (0xFF836848)
YUV	108.4250, -17.9575, 19.7983
Hunter-Lab	38.9792, 2.6653, 14.7415

Details

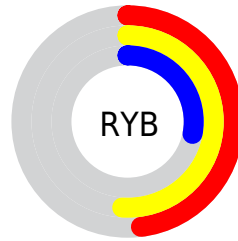
The Yxy color **15.1938, 0.3977, 0.3904** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.9331, 0.2423, 0.2575**, and the grayscale version is **15.1678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1375, 0.3769, 0.3765**, and **4.7156, 0.4353, 0.4121** is the 20% darker color. If you saturate the color by 10%, you get **13.8780, 0.4216, 0.4031**, and if you desaturate by 10%, it is **16.6331, 0.3754, 0.3767**.

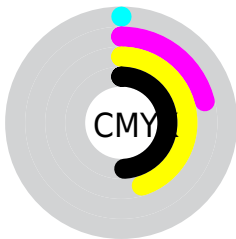
Distribution



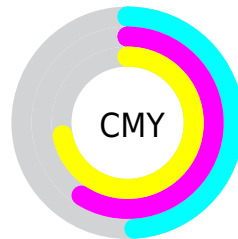
- Red (51%)
- Green (41%)
- Blue (28%)



- Red (48%)
- Yellow (51%)
- Blue (28%)



- Cyan (0%)
- Magenta (21%)
- Yellow (45%)
- Black (49%)





- Cyan (49%)
- Magenta (59%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1938, 0.3977, 0.3904 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 15.1938, 0.3977, 0.3904 by changing the saturation by 10% instead.


 15.1938, 0.3977,
0.3904


 15.1938, 0.3977,
0.3904


224.5363, 0.3476,
0.3554

 8.9555, 0.4134,
0.4005


 35.1928, 0.3773,
0.3766


 4.7122, 0.4355,
0.4138

 49.7223, 0.3703,
0.3718

 2.0794, 0.4795,
0.4416

 67.7843, 0.3647,
0.3678

 0.6530, 0.5420,
0.4580

 89.7633, 0.3600,
0.3645

 0.0000, 0.0000,
0.0000

 116.0436, 0.3562,
0.3617

147.0096, 0.3529,

0.3593

183.0457, 0.3500,
0.3572

■ 15.1938, 0.3977,
0.3904

■ 15.1938, 0.3977,
0.3904

■ 13.8780, 0.4216,
0.4031

■ 16.6331, 0.3754,
0.3767

■ 12.6795, 0.4463,
0.4137

■ 18.1976, 0.3550,
0.3626

■ 11.5946, 0.4708,
0.4212

■ 19.8917, 0.3366,
0.3487

■ 10.6183, 0.4939,
0.4245

■ 21.7187, 0.3202,
0.3354

■ 9.7444, 0.5143,
0.4230

■ 23.6821, 0.3058,
0.3229

■ 9.3420, 0.5245,
0.4218

■ 25.7850, 0.2930,
0.3112

■ 28.0303, 0.2818,
0.3004

■ 30.4211, 0.2719,
0.2904

■ 32.9602, 0.2632,
0.2812

Harmonies

Analogous

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



15.1938, 0.4054, 0.3564



15.1938, 0.3977, 0.3904



15.1938, 0.3666, 0.4113

Triad

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



15.1938, 0.3977, 0.3904



15.1938, 0.2437, 0.3330



15.1938, 0.2975, 0.2627

Complementary

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



15.1938, 0.3977, 0.3904



11.9331, 0.2423, 0.2575

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.



15.1938, 0.2573, 0.2542



15.1938, 0.3977, 0.3904



15.1938, 0.2282, 0.2905

Square

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



15.1938, 0.3977, 0.3904



15.1938, 0.2775, 0.3785



15.1938, 0.2330, 0.2631



15.1938, 0.3450, 0.2859

Rectangle

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



15.1938, 0.3977, 0.3904



15.1938, 0.3379, 0.4126



15.1938, 0.2330, 0.2631



15.1938, 0.2827, 0.2581

Sweetspot

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



15.1945, 0.3977, 0.3904



35.8570, 0.3354, 0.3478



10.3689, 0.3718, 0.2763



8.2108, 0.3386, 0.3503



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



15.1945, 0.3977, 0.3904



24.8121, 0.4221, 0.4033



21.3640, 0.3743, 0.4361



5.0763, 0.3267, 0.3408



9.2037, 0.5244, 0.4218



0.0465, 0.4697, 0.4653

Inverse Universe

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



11.9331, 0.2423, 0.2575



18.1996, 0.2264, 0.2376



7.7267, 0.2342, 0.1960



4.8693, 0.2992, 0.3169



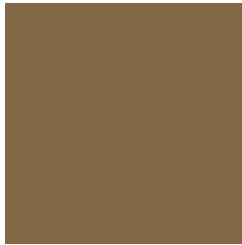
4.7889, 0.1747, 0.1488



0.0309, 0.1968, 0.2284

Previews

White Background



This preview shows how the Yxy color 15.1938, 0.3977, 0.3904 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 15.1938, 0.3977, 0.3904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

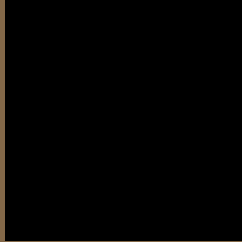
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1938, 0.3977, 0.3904

Background



This preview shows how black text looks on a background with the Yxy color 15.1938, 0.3977, 0.3904.



This preview shows how white text looks on a background with the Yxy color 15.1938, 0.3977, 0.3904.

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

15.1938, 0.3977, 0.3904

Protanopia

15.2832, 0.3717, 0.4007

Deuteranopia

15.1938, 0.3977, 0.3904



Tritanopia

15.2442, 0.3533, 0.3160

Trichromacy



Original Color

15.1938, 0.3977, 0.3904

Protanomaly

15.2074, 0.3819, 0.3970

Deuteranomaly

15.1938, 0.3977, 0.3904

Tritanomaly

15.1021, 0.3707, 0.3425

Monochromacy



Original Color

15.1938, 0.3977, 0.3904

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.0546, 0.3414, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1938, 0.3977, 0.3904 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(131, 104, 72)` looks like.

```
.text, #text, p{  
    color:rgb(131, 104, 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(131, 104, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 104, 72) }
```

Border

The CSS property to change the border of an element to Yxy 15.1938, 0.3977, 0.3904 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(131, 104, 72) }
```

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

```
.border{ border-color:rgb(131, 104, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 104, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 104, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 104, 72);  
box-shadow:4px 4px 4px 4px rgb(131, 104,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1938, 0.3977, 0.3904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 104, 72) }
```

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

```
.background{ background-color: rgb(131,  
104, 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](#).

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