

Converting Colors

$Y_{xy}(15.2036, 0.4954, 0.3734)$

Have a look what the booklet for
Yxy(15.2036, 0.4954, 0.3734)
contains.

Yxy(15.2467, 0.4942, 0.3741)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.2467, 0.4942, 0.3741)

Conversions

Conversions Part 1

Format	Color
Hex	A85636
RGB	168, 86, 54
RGB Percent	66%, 34%, 21%
CMY	0.3412, 0.6627, 0.7884
CMYK	0.00, 0.49, 0.68, 0.34
HSL	17°, 51%, 44%
HSV	17°, 68%, 66%
XYZ	20.1415, 15.2467, 5.3675
YIQ	106.8700, 59.1440, 7.4320

Conversions

Conversions Part 2

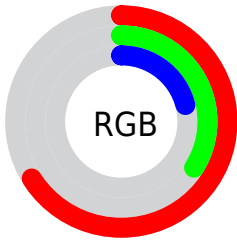
Format	Color
RYB	168, 98, 54
Decimal	11032118
CIELab	45.97, 30.98, 33.51
CIElCh	46, 45.639, 47.247
Yxy	15.2467, 0.4942, 0.3741
Android (android.graphics.Color)	4289222198 (0xFFA85636)
YUV	106.8700, -26.0649, 53.6110
Hunter-Lab	39.0470, 23.7426, 19.1827

Details

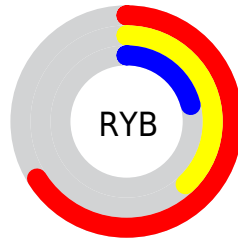
The Yxy color **15.2467, 0.4942, 0.3741** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.2083, 0.2206, 0.2691**, and the grayscale version is **14.7262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1815, 0.4515, 0.3692**, and **4.7855, 0.5666, 0.3715** is the 20% darker color. If you saturate the color by 10%, you get **13.3472, 0.5314, 0.3747**, and if you desaturate by 10%, it is **17.5284, 0.4573, 0.3702**.

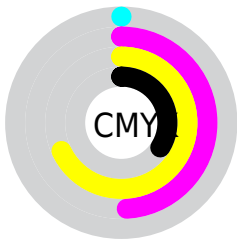
Distribution



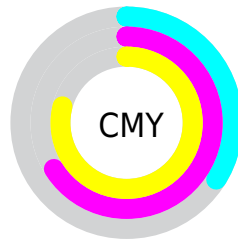
- Red (66%)
- Green (34%)
- Blue (21%)



- Red (66%)
- Yellow (38%)
- Blue (21%)



- Cyan (0%)
- Magenta (49%)
- Yellow (68%)
- Black (34%)




- Cyan (34%)
- Magenta (66%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2467, 0.4942, 0.3741 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 15.2467, 0.4942, 0.3741 by changing the saturation by 10% instead.


 15.2467, 0.4942,
0.3741


 15.2467, 0.4942,
0.3741


224.8546, 0.3880,
0.3554


 8.9927, 0.5252,
0.3747


 35.2854, 0.4519,
0.3695


 4.7364, 0.5670,
0.3713

 49.8389, 0.4371,
0.3669

 2.0935, 0.6359,
0.3641

 67.9276, 0.4250,
0.3645

 0.6609, 0.6955,
0.3045

 89.9361, 0.4150,
0.3623

 0.0000, 1.0000,
0.0000

 116.2486, 0.4066,
0.3603

 0.0000, 0.0000,
0.0000

 147.2496, 0.3995,

0.3585

183.3235, 0.3933,
0.3568

■ 15.2467, 0.4942,
0.3741

■ 15.2467, 0.4942,
0.3741

■ 13.3472, 0.5314,
0.3747

■ 17.5284, 0.4573,
0.3702

■ 11.8052, 0.5657,
0.3712

■ 20.2101, 0.4232,
0.3642

■ 10.5939, 0.5939,
0.3637

■ 23.3115, 0.3928,
0.3569

■ 10.3738, 0.5995,
0.3622

■ 26.8500, 0.3666,
0.3493

■ 30.8422, 0.3443,
0.3417

■ 35.3036, 0.3254,
0.3344

■ 40.2491, 0.3096,
0.3276

■ 45.6928, 0.2962,
0.3213

■ 51.6484, 0.2850,
0.3156

Harmonies

Analogous

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



15.2467, 0.4644, 0.3104



15.2467, 0.4942, 0.3741



15.2467, 0.4662, 0.4389

Triad

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



15.2467, 0.4942, 0.3741



15.2467, 0.2332, 0.4239



15.2467, 0.2144, 0.1945

Complementary

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



15.2467, 0.4942, 0.3741



21.2083, 0.2206, 0.2691

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.



15.2467, 0.1714, 0.2023



15.2467, 0.4942, 0.3741



15.2467, 0.1789, 0.3211

Square

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



15.2467, 0.4942, 0.3741



15.2467, 0.3139, 0.4937



15.2467, 0.1592, 0.2424



15.2467, 0.2888, 0.2131

Rectangle

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



15.2467, 0.4942, 0.3741



15.2467, 0.4242, 0.4765



15.2467, 0.1592, 0.2424



15.2467, 0.1965, 0.1940

Sweetspot

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



15.2475, 0.4942, 0.3741



54.0842, 0.3495, 0.3436



12.7835, 0.3670, 0.2130



11.3580, 0.3554, 0.3456



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



15.2475, 0.4942, 0.3741



22.8521, 0.5478, 0.3736



27.7565, 0.4285, 0.4506



7.8728, 0.3279, 0.3354



7.9110, 0.5978, 0.3636



0.2774, 0.5350, 0.4134

Inverse Universe

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



21.2083, 0.2206, 0.2691



34.1380, 0.2084, 0.2538



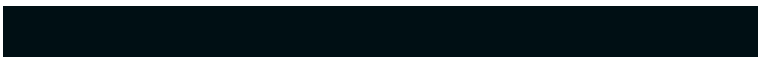
9.4327, 0.1943, 0.1594



8.1704, 0.2987, 0.3225



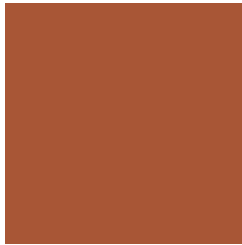
12.5147, 0.1991, 0.2367



0.3843, 0.2085, 0.2707

Previews

White Background



This preview shows how the Yxy color 15.2467, 0.4942, 0.3741 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 15.2467, 0.4942, 0.3741 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 15.2467, 0.4942, 0.3741

Background



This preview shows how black text looks on a background with the Yxy color 15.2467, 0.4942, 0.3741.



This preview shows how white text looks on a background with the Yxy color 15.2467, 0.4942, 0.3741.

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

15.2467, 0.4942, 0.3741

Protanopia

15.4927, 0.3890, 0.4246

Deuteranopia

15.2818, 0.4317, 0.4251



Tritanopia

15.2852, 0.4477, 0.3205

Trichromacy



Original Color

15.2467, 0.4942, 0.3741

Protanomaly

14.9415, 0.4272, 0.4050

Deuteranomaly

14.9914, 0.4565, 0.4048

Tritanomaly

15.1433, 0.4658, 0.3398

Monochromacy



Original Color

15.2467, 0.4942, 0.3741

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.2954, 0.3748, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2467, 0.4942, 0.3741 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(168, 86, 54)` looks like.

```
.text, #text, p{  
    color:rgb(168, 86, 54)  
}
```

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(168, 86, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 86, 54) }
```

Border

The CSS property to change the border of an element to Yxy 15.2467, 0.4942, 0.3741 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(168, 86, 54) }
```

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

```
.border{ border-color:rgb(168, 86, 54) }
```

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

Here you see how a box with a 4 pixel rgb(168, 86, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 86, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 86, 54);  
box-shadow:4px 4px 4px 4px rgb(168, 86,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2467, 0.4942, 0.3741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 86, 54) }
```

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

```
.background{ background-color: rgb(168, 86,  
54) }
```

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