

Converting Colors

$Y_{xy}(15.9034, 0.4918, 0.3748)$

Have a look what the booklet for
Yxy(15.9034, 0.4918, 0.3748)
contains.

Yxy(15.8110, 0.4914, 0.3739)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.8110, 0.4914, 0.3739)

Conversions

Conversions Part 1

Format	Color
Hex	AA5838
RGB	170, 88, 56
RGB Percent	67%, 35%, 22%
CMY	0.3334, 0.6549, 0.7804
CMYK	0.00, 0.48, 0.67, 0.33
HSL	17°, 50%, 44%
HSV	17°, 67%, 67%
XYZ	20.7797, 15.8110, 5.6960
YIQ	108.8700, 59.1440, 7.4320

Conversions

Conversions Part 2

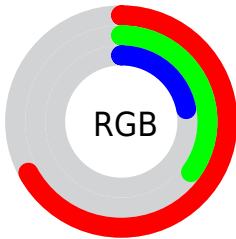
Format	Color
R_{YB}	170, 100, 56
Decimal	11163704
CIE Lab	46.73, 30.84, 33.35
CIE LCh	47, 45.423, 47.236
Yxy	15.8110, 0.4914, 0.3739
Android (android.graphics.Color)	4289353784 (0xFFAA5838)
YUV	108.8700, -26.0649, 53.6110
Hunter-Lab	39.7630, 23.6966, 19.3409

Details

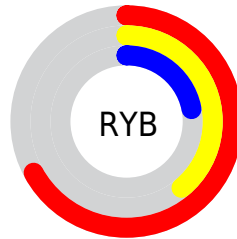
The Yxy color **15.8110, 0.4914, 0.3739** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.9100, 0.2213, 0.2699**, and the grayscale version is **15.3173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1227, 0.4498, 0.3689**, and **5.0525, 0.5622, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **13.8312, 0.5287, 0.3748**, and if you desaturate by 10%, it is **18.1855, 0.4547, 0.3698**.

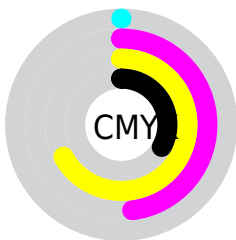
Distribution



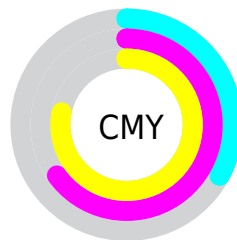
- Red (67%)
- Green (35%)
- Blue (22%)



- Red (67%)
- Yellow (39%)
- Blue (22%)



- Cyan (0%)
- Magenta (48%)
- Yellow (67%)
- Black (33%)





- Cyan (33%)
- Magenta (65%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8110, 0.4914, 0.3739 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 15.8110, 0.4914, 0.3739 by changing the saturation by 10% instead.


 15.8110, 0.4914,
0.3739


 15.8110, 0.4914,
0.3739


228.2239, 0.3873,
0.3551


 9.3905, 0.5217,
0.3747


 36.2698, 0.4500,
0.3692

 4.9968, 0.5621,
0.3717

 51.0769, 0.4355,
0.3666


 2.2454, 0.6324,
0.3676


 69.4483, 0.4237,
0.3642

 0.7446, 0.6857,
0.3143

 91.7684, 0.4139,
0.3620

 0.0000, 1.0000,
0.0000

 118.4216, 0.4056,
0.3600

 0.0000, 0.0000,
0.0000

 149.7923, 0.3986,

0.3582

186.2650, 0.3925,
0.3566

■ 15.8110, 0.4914,
0.3739

■ 15.8110, 0.4914,
0.3739

■ 13.8312, 0.5287,
0.3748

■ 18.1855, 0.4547,
0.3698

■ 12.2208, 0.5634,
0.3716

■ 20.9730, 0.4207,
0.3636

■ 10.9535, 0.5919,
0.3642

■ 24.1935, 0.3906,
0.3563

■ 10.6389, 0.5997,
0.3620

■ 27.8650, 0.3647,
0.3487

■ 32.0042, 0.3426,
0.3411

■ 36.6273, 0.3240,
0.3338

■ 41.7495, 0.3084,
0.3271

■ 47.3852, 0.2952,
0.3208

■ 53.5484, 0.2841,
0.3151

Harmonies

Analogous

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



15.8110, 0.4618, 0.3109



15.8110, 0.4914, 0.3739



15.8110, 0.4642, 0.4378

Triad

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



15.8110, 0.4914, 0.3739



15.8110, 0.2346, 0.4222



15.8110, 0.2158, 0.1963

Complementary

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



15.8110, 0.4914, 0.3739



21.9100, 0.2213, 0.2699

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.



15.8110, 0.1732, 0.2041



15.8110, 0.4914, 0.3739



15.8110, 0.1808, 0.3215

Square

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



15.8110, 0.4914, 0.3739



15.8110, 0.3142, 0.4907



15.8110, 0.1612, 0.2439



15.8110, 0.2892, 0.2147

Rectangle

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



15.8110, 0.4914, 0.3739



15.8110, 0.4230, 0.4745



15.8110, 0.1612, 0.2439



15.8110, 0.1981, 0.1958

Sweetspot

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



15.8118, 0.4914, 0.3739



55.5020, 0.3495, 0.3436



13.2536, 0.3662, 0.2139



11.9181, 0.3555, 0.3456



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



15.8118, 0.4914, 0.3739



23.7361, 0.5445, 0.3739



28.5932, 0.4273, 0.4496



7.8727, 0.3279, 0.3354



7.9105, 0.5978, 0.3636



0.2774, 0.5350, 0.4134

Inverse Universe

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



21.9100, 0.2213, 0.2699



35.3127, 0.2091, 0.2548



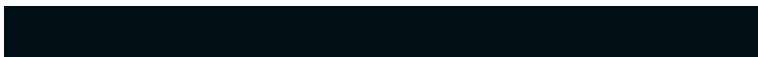
9.8659, 0.1955, 0.1614



8.1705, 0.2987, 0.3225



12.5162, 0.1991, 0.2367



0.3843, 0.2085, 0.2707

Previews

White Background



This preview shows how the Yxy color 15.8110, 0.4914, 0.3739 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 15.8110, 0.4914, 0.3739 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 15.8110, 0.4914, 0.3739

Background



This preview shows how black text looks on a background with the Yxy color 15.8110, 0.4914, 0.3739.



This preview shows how white text looks on a background with the Yxy color 15.8110, 0.4914, 0.3739.

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

15.8110, 0.4914, 0.3739

Protanopia

15.8766, 0.3887, 0.4216

Deuteranopia

15.9593, 0.4313, 0.4235



Tritanopia

15.8495, 0.4455, 0.3205

Trichromacy



Original Color

15.8110, 0.4914, 0.3739

Protanomaly

15.5264, 0.4253, 0.4042

Deuteranomaly

15.6648, 0.4556, 0.4037

Tritanomaly

15.7050, 0.4633, 0.3397

Monochromacy



Original Color

15.8110, 0.4914, 0.3739

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.8708, 0.3737, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8110, 0.4914, 0.3739 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(170, 88, 56)` looks like.

```
.text, #text, p{  
    color:rgb(170, 88, 56)  
}
```

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(170, 88, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 88, 56) }
```

Border

The CSS property to change the border of an element to Yxy 15.8110, 0.4914, 0.3739 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(170, 88, 56) }
```

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

```
.border{ border-color:rgb(170, 88, 56) }
```

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

Here you see how a box with a 4 pixel rgb(170, 88, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 88, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 88, 56);  
box-shadow:4px 4px 4px 4px rgb(170, 88,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8110, 0.4914, 0.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 88, 56) }
```

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

```
.background{ background-color: rgb(170, 88,  
56) }
```

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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