

Converting Colors

$Y_{xy}(15.8349, 0.4938, 0.3883)$

Have a look what the booklet for
Yxy(15.8349, 0.4938, 0.3883)
contains.

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Color

Yxy(15.9111, 0.4939, 0.3888)

Conversions

Conversions Part 1

Format	Color
Hex	A75B30
RGB	167, 91, 48
RGB Percent	65%, 36%, 19%
CMY	0.3451, 0.6431, 0.8118
CMYK	0.00, 0.46, 0.71, 0.35
HSL	22°, 55%, 42%
HSV	22°, 71%, 65%
XYZ	20.2122, 15.9111, 4.8003
YIQ	108.8220, 59.0990, 2.7390

Conversions

Conversions Part 2

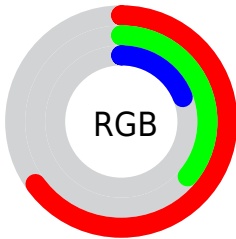
Format	Color
R _Y B	167, 115, 48
Decimal	10967856
CIE Lab	46.86, 27.50, 37.72
CIE LCh	47, 46.685, 53.902
Yxy	15.9111, 0.4939, 0.3888
Android (android.graphics.Color)	4289157936 (0xFFA75B30)
YUV	108.8220, -29.9852, 51.0221
Hunter-Lab	39.8887, 20.6432, 20.7870

Details

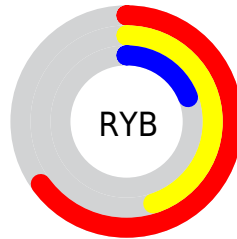
The Yxy color **15.9111, 0.4939, 0.3888** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.8320, 0.2126, 0.2462**, and the grayscale version is **15.3138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3593, 0.4527, 0.3815**, and **5.0428, 0.5643, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **14.1034, 0.5269, 0.3894**, and if you desaturate by 10%, it is **18.0316, 0.4603, 0.3842**.

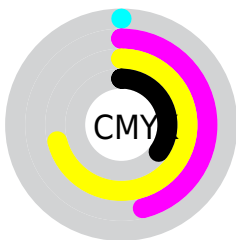
Distribution



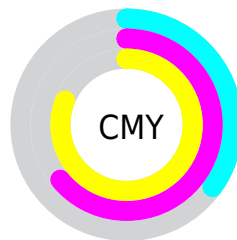
- Red (65%)
- Green (36%)
- Blue (19%)



- Red (65%)
- Yellow (45%)
- Blue (19%)



- Cyan (0%)
- Magenta (46%)
- Yellow (71%)
- Black (35%)





- Cyan (35%)
- Magenta (64%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9111, 0.4939, 0.3888 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 15.9111, 0.4939, 0.3888 by changing the saturation by 10% instead.


 15.9111, 0.4939,
0.3888


 15.9111, 0.4939,
0.3888


228.8166, 0.3894,
0.3624


 9.4613, 0.5232,
0.3911


 36.4438, 0.4530,
0.3815


 5.0433, 0.5630,
0.3906

 51.2955, 0.4384,
0.3779

 2.2727, 0.6181,
0.3819

 69.7165, 0.4264,
0.3745

 0.7592, 0.6672,
0.3328

 92.0914, 0.4165,
0.3716

 0.0000, 1.0000,
0.0000

 118.8044, 0.4081,
0.3689

 0.0000, 0.0000,
0.0000

 150.2400, 0.4010,

0.3665

186.7826, 0.3948,
0.3643

■ 15.9111, 0.4939,
0.3888

■ 15.9111, 0.4939,
0.3888

■ 14.1034, 0.5269,
0.3894

■ 18.0316, 0.4603,
0.3842

■ 12.5889, 0.5565,
0.3851

■ 20.4778, 0.4283,
0.3769

■ 11.4858, 0.5790,
0.3785

■ 23.2648, 0.3990,
0.3679

■ 26.4060, 0.3731,
0.3583

■ 29.9139, 0.3505,
0.3485

■ 33.8004, 0.3312,
0.3390

■ 38.0768, 0.3146,
0.3301

■ 42.7539, 0.3005,
0.3218

■ 47.8422, 0.2885,
0.3141

Harmonies

Analogous

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



15.9111, 0.4776, 0.3240



15.9111, 0.4939, 0.3888



15.9111, 0.4547, 0.4531

Triad

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



15.9111, 0.4939, 0.3888



15.9111, 0.2175, 0.4021



15.9111, 0.2276, 0.1956

Complementary

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



15.9111, 0.4939, 0.3888



17.8320, 0.2126, 0.2462

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.



15.9111, 0.1773, 0.1972



15.9111, 0.4939, 0.3888



15.9111, 0.1705, 0.3001

Square

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



15.9111, 0.4939, 0.3888



15.9111, 0.2945, 0.4858



15.9111, 0.1582, 0.2295



15.9111, 0.3088, 0.2197

Rectangle

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



15.9111, 0.4939, 0.3888



15.9111, 0.4081, 0.4874



15.9111, 0.1582, 0.2295



15.9111, 0.2073, 0.1931

Sweetspot

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



15.9119, 0.4939, 0.3888



53.4935, 0.3508, 0.3486



11.8188, 0.3891, 0.2220



11.5847, 0.3564, 0.3512



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.



15.9119, 0.4939, 0.3888



23.4905, 0.5461, 0.3873



29.9738, 0.4233, 0.4657



7.9696, 0.3277, 0.3372



8.8741, 0.5773, 0.3798



0.3130, 0.5159, 0.4286

Inverse Universe

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



17.8320, 0.2126, 0.2462



26.8943, 0.1985, 0.2238



7.2959, 0.1847, 0.1330



8.0692, 0.2987, 0.3207



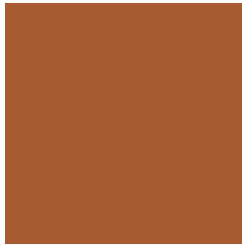
10.2204, 0.1912, 0.2083



0.3405, 0.2036, 0.2529

Previews

White Background



This preview shows how the Yxy color 15.9111, 0.4939, 0.3888 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 15.9111, 0.4939, 0.3888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

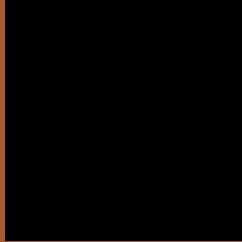
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9111, 0.4939, 0.3888

Background



This preview shows how black text looks on a background with the Yxy color 15.9111, 0.4939, 0.3888.



This preview shows how white text looks on a background with the Yxy color 15.9111, 0.4939, 0.3888.

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

15.9111, 0.4939, 0.3888

Protanopia

16.1398, 0.4021, 0.4393

Deuteranopia

15.9789, 0.4412, 0.4337



Tritanopia

15.8633, 0.4365, 0.3203

Trichromacy



Original Color

15.9111, 0.4939, 0.3888

Protanomaly

15.7240, 0.4366, 0.4190

Deuteranomaly

15.8864, 0.4607, 0.4177

Tritanomaly

15.8261, 0.4597, 0.3474

Monochromacy



Original Color

15.9111, 0.4939, 0.3888

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.9367, 0.3761, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9111, 0.4939, 0.3888 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(167, 91, 48)` looks like.

```
.text, #text, p{  
    color:rgb(167, 91, 48)  
}
```

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(167, 91, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 91, 48) }
```

Border

The CSS property to change the border of an element to Yxy 15.9111, 0.4939, 0.3888 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(167, 91, 48) }
```

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

```
.border{ border-color:rgb(167, 91, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 91, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 91, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 91, 48);  
box-shadow:4px 4px 4px 4px rgb(167, 91,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9111, 0.4939, 0.3888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 91, 48) }
```

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

```
.background{ background-color: rgb(167, 91,  
48) }
```

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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