

Converting Colors

$Y_{xy}(15.7367, 0.4864, 0.3915)$

Have a look what the booklet for
Yxy(15.7367, 0.4864, 0.3915)
contains.

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Color

Yxy(15.6626, 0.4865, 0.3911)

Conversions

Conversions Part 1

Format	Color
Hex	A35C31
RGB	163, 92, 49
RGB Percent	64%, 36%, 19%
CMY	0.3609, 0.6392, 0.8078
CMYK	0.00, 0.44, 0.70, 0.36
HSL	23°, 54%, 42%
HSV	23°, 70%, 64%
XYZ	19.4831, 15.6626, 4.9018
YIQ	108.3270, 56.1190, 1.6790

Conversions

Conversions Part 2

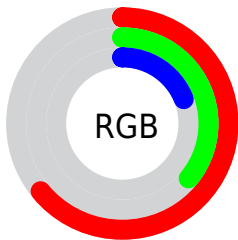
Format	Color
R _Y B	163, 118, 49
Decimal	10705969
CIE Lab	46.53, 25.29, 36.66
CIE LCh	47, 44.537, 55.399
Yxy	15.6626, 0.4865, 0.3911
Android (android.graphics.Color)	4288896049 (0xFFA35C31)
YUV	108.3270, -29.2482, 47.9482
Hunter-Lab	39.5760, 18.6170, 20.3596

Details

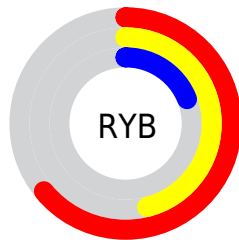
The Yxy color **15.6626, 0.4865, 0.3911** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.7214, 0.2132, 0.2444**, and the grayscale version is **15.1658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0376, 0.4470, 0.3826**, and **4.9453, 0.5520, 0.3960** is the 20% darker color. If you saturate the color by 10%, you get **13.9075, 0.5189, 0.3927**, and if you desaturate by 10%, it is **17.7046, 0.4538, 0.3857**.

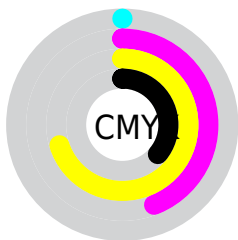
Distribution



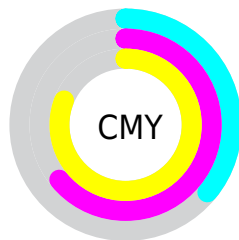
- Red (64%)
- Green (36%)
- Blue (19%)



- Red (64%)
- Yellow (46%)
- Blue (19%)



- Cyan (0%)
- Magenta (44%)
- Yellow (70%)
- Black (36%)




- Cyan (36%)
- Magenta (64%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6626, 0.4865, 0.3911 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 15.6626, 0.4865, 0.3911 by changing the saturation by 10% instead.


 15.6626, 0.4865,
0.3911


 15.6626, 0.4865,
0.3911


227.3425, 0.3859,
0.3625


 9.2857, 0.5150,
0.3944


 36.0115, 0.4469,
0.3826


 4.9280, 0.5537,
0.3953

 50.7522, 0.4329,
0.3787

 2.2051, 0.6099,
0.3901

 69.0498, 0.4214,
0.3752

 0.7228, 0.6586,
0.3414

 91.2884, 0.4119,
0.3720

 0.0000, 1.0000,
0.0000

 117.8526, 0.4038,
0.3692

 0.0000, 0.0000,
0.0000

 149.1268, 0.3970,

0.3667

185.4953, 0.3910,
0.3645

■ 15.6626, 0.4865,
0.3911

■ 15.6626, 0.4865,
0.3911

■ 13.9075, 0.5189,
0.3927

■ 17.7046, 0.4538,
0.3857

■ 12.4220, 0.5485,
0.3894

■ 20.0447, 0.4228,
0.3777

■ 11.1839, 0.5742,
0.3822

■ 22.6963, 0.3945,
0.3682

■ 11.1767, 0.5743,
0.3822

■ 25.6711, 0.3694,
0.3581

■ 28.9803, 0.3476,
0.3479

■ 32.6344, 0.3287,
0.3382

■ 36.6433, 0.3126,
0.3289

■ 41.0168, 0.2988,
0.3204

■ 45.7641, 0.2870,
0.3125

Harmonies

Analogous

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



15.6626, 0.4732, 0.3279



15.6626, 0.4865, 0.3911



15.6626, 0.4473, 0.4524

Triad

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



15.6626, 0.4865, 0.3911



15.6626, 0.2182, 0.3940



15.6626, 0.2341, 0.2005

Complementary

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



15.6626, 0.4865, 0.3911



16.7214, 0.2132, 0.2444

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.



15.6626, 0.1835, 0.2009



15.6626, 0.4865, 0.3911



15.6626, 0.1741, 0.2975

Square

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



15.6626, 0.4865, 0.3911



15.6626, 0.2917, 0.4759



15.6626, 0.1634, 0.2311



15.6626, 0.3137, 0.2251

Rectangle

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



15.6626, 0.4865, 0.3911



15.6626, 0.4017, 0.4836



15.6626, 0.1634, 0.2311



15.6626, 0.2138, 0.1977

Sweetspot

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



15.6634, 0.4865, 0.3911



51.0142, 0.3505, 0.3494



11.3663, 0.3906, 0.2258



11.1010, 0.3561, 0.3521



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



15.6634, 0.4865, 0.3911



23.3592, 0.5360, 0.3915



29.1187, 0.4195, 0.4661



7.5036, 0.3276, 0.3375



8.7701, 0.5727, 0.3835



0.2734, 0.5083, 0.4346

Inverse Universe

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



16.7214, 0.2132, 0.2444



25.1886, 0.1988, 0.2220



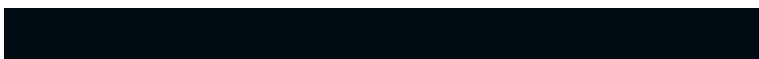
6.9857, 0.1863, 0.1339



7.5599, 0.2987, 0.3203



9.4514, 0.1897, 0.2029



0.2851, 0.2039, 0.2539

Previews

White Background



This preview shows how the Yxy color 15.6626, 0.4865, 0.3911 looks on a white background.

Color Contrast Check

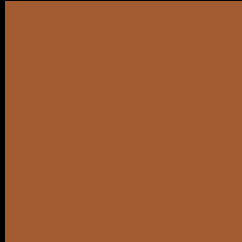
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6626, 0.4865, 0.3911 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 15.6626, 0.4865, 0.3911

Background



This preview shows how black text looks on a background with the Yxy color 15.6626, 0.4865, 0.3911.



This preview shows how white text looks on a background with the Yxy color 15.6626, 0.4865, 0.3911.

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

15.6626, 0.4865, 0.3911

Protanopia

15.8557, 0.4005, 0.4367

Deuteranopia

15.7037, 0.4391, 0.4302



Tritanopia

15.6060, 0.4285, 0.3200

Trichromacy



Original Color

15.6626, 0.4865, 0.3911

Protanomaly

15.5609, 0.4326, 0.4188

Deuteranomaly

15.5226, 0.4572, 0.4149

Tritanomaly

15.5731, 0.4518, 0.3480

Monochromacy



Original Color

15.6626, 0.4865, 0.3911

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.7801, 0.3730, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6626, 0.4865, 0.3911 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(163, 92, 49)` looks like.

```
.text, #text, p{  
    color:rgb(163, 92, 49)  
}
```

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(163, 92, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 92, 49) }
```

Border

The CSS property to change the border of an element to Yxy 15.6626, 0.4865, 0.3911 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(163, 92, 49) }
```

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

```
.border{ border-color:rgb(163, 92, 49) }
```

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

Here you see how a box with a 4 pixel rgb(163, 92, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 92, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 92, 49);  
box-shadow:4px 4px 4px 4px rgb(163, 92,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6626, 0.4865, 0.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 92, 49) }
```

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

```
.background{ background-color: rgb(163, 92,  
49) }
```

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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