

Converting Colors

$Y_{xy}(15.5235, 0.4881, 0.4507)$

Have a look what the booklet for
Yxy(15.5235, 0.4881, 0.4507)
contains.

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Color

Yxy(15.6033, 0.4876, 0.4511)

Conversions

Conversions Part 1

Format	Color
Hex	946500
RGB	148, 101, 0
RGB Percent	58%, 40%, 0%
CMY	0.4196, 0.6039, 1.0000
CMYK	0.00, 0.32, 1.00, 0.42
HSL	41°, 100%, 29%
HSV	41°, 100%, 58%
XYZ	16.8658, 15.6033, 2.1203
YIQ	103.5390, 60.4330, -21.4470

Conversions

Conversions Part 2

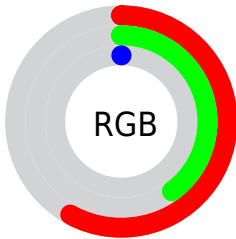
Format	Color
R_{YB}	69, 148, 0
Decimal	9725184
CIE _{Lab}	46.45, 11.79, 53.86
CIE _{LCh}	46, 55.139, 77.653
Yxy	15.6033, 0.4876, 0.4511
Android (android.graphics.Color)	4287915264 (0xFF946500)
YUV	103.5390, -51.0447, 38.9923
Hunter-Lab	39.5010, 7.0877, 24.4681

Details

The Yxy color **15.6033, 0.4876, 0.4511** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.1704, 0.1630, 0.1069**, and the grayscale version is **13.8412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0588, 0.4541, 0.4332**, and **4.9136, 0.5077, 0.4351** is the 20% darker color. If you saturate the color by 10%, you get **15.6043, 0.4876, 0.4511**, and if you desaturate by 10%, it is **16.5771, 0.4744, 0.4514**.

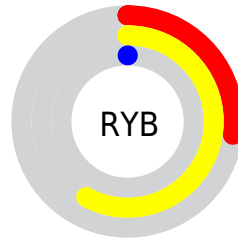
Distribution



Red (58%)

Green (40%)

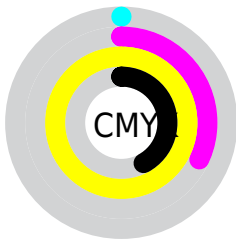
Blue (0%)



Red (27%)

Yellow (58%)

Blue (0%)

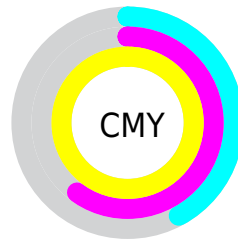


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6033, 0.4876, 0.4511 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 15.6033, 0.4876, 0.4511 by changing the saturation by 10% instead.


 15.6033, 0.4876,
0.4511


 15.6033, 0.4876,
0.4511


226.9894, 0.3932,
0.3922


 9.2439, 0.5090,
0.4598


 35.9081, 0.4540,
0.4331


 4.9006, 0.5341,
0.4659

 50.6223, 0.4408,
0.4249

 2.1891, 0.5479,
0.4521

 68.8902, 0.4296,
0.4177

 0.7140, 0.5767,
0.4233


 91.0963, 0.4201,
0.4112


 0.0000, 0.0000,
0.0000


 117.6248, 0.4119,
0.4056

 148.8602, 0.4048,

0.4006


 185.1869, 0.3986,
0.3961

 15.6033, 0.4876,
0.4511


 15.6033, 0.4876,
0.4511


 15.6043, 0.4876,
0.4511

 16.5771, 0.4744,
0.4514

 17.6268, 0.4591,
0.4481

 18.7657, 0.4413,
0.4401

 19.9991, 0.4220,
0.4284

 21.3315, 0.4019,
0.4138

■ 22.7671, 0.3819,
0.3973

■ 24.3096, 0.3627,
0.3800

■ 25.9626, 0.3446,
0.3625

■ 27.7293, 0.3279,
0.3454

Harmonies

Analogous

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



15.6033, 0.5262, 0.3756



15.6033, 0.4876, 0.4511



15.6033, 0.4062, 0.5181

Triad

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



15.6033, 0.4876, 0.4511



15.6033, 0.1561, 0.3150



15.6033, 0.2845, 0.1961

Complementary

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



15.6033, 0.4876, 0.4511



4.1704, 0.1630, 0.1069

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.



15.6033, 0.1989, 0.1746



15.6033, 0.4876, 0.4511



15.6033, 0.1365, 0.2242

Square

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



15.6033, 0.4876, 0.4511



15.6033, 0.2157, 0.4434



15.6033, 0.1509, 0.1816



15.6033, 0.3978, 0.2421

Rectangle

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



15.6033, 0.4876, 0.4511



15.6033, 0.3412, 0.5361



15.6033, 0.1509, 0.1816



15.6033, 0.2518, 0.1860

Sweetspot

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



15.6043, 0.4876, 0.4511



42.7262, 0.3638, 0.3811



6.5202, 0.5597, 0.2857



9.5114, 0.3711, 0.3877



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



15.6043, 0.4876, 0.4511



27.2142, 0.4892, 0.4498



25.4145, 0.3907, 0.5280



6.4372, 0.3267, 0.3441



13.3793, 0.4870, 0.4515



0.2169, 0.4503, 0.4807

Inverse Universe

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



4.1704, 0.1630, 0.1069



7.0807, 0.1621, 0.1035



2.3405, 0.1583, 0.0646



5.9157, 0.2989, 0.3135



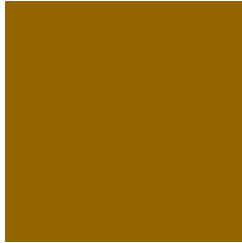
3.6070, 0.1633, 0.1080



0.0927, 0.1859, 0.1892

Previews

White Background



This preview shows how the Yxy color 15.6033, 0.4876, 0.4511 looks on a white background.

Color Contrast Check

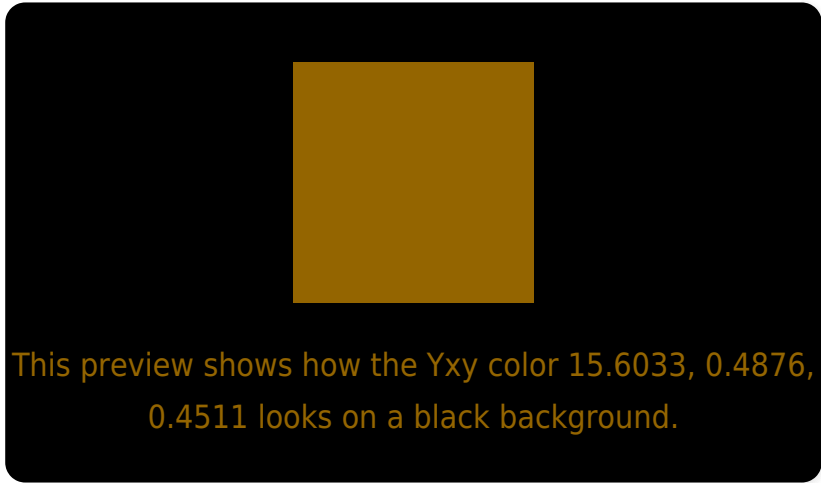
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 15.6033, 0.4876, 0.4511

Background



This preview shows how black text looks on a background with the Yxy color 15.6033, 0.4876, 0.4511.



This preview shows how white text looks on a background with the Yxy color 15.6033, 0.4876, 0.4511.

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

15.6033, 0.4876, 0.4511

Protanopia

15.7508, 0.4365, 0.4842

Deuteranopia

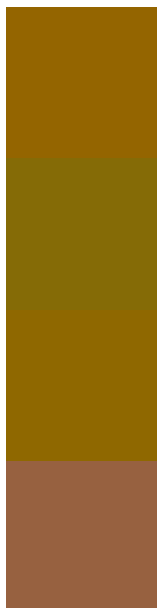
15.6786, 0.4703, 0.4648



Tritanopia

15.6204, 0.3920, 0.3173

Trichromacy



Original Color

15.6033, 0.4876, 0.4511

Protanomaly

15.5151, 0.4554, 0.4722

Deuteranomaly

15.7403, 0.4760, 0.4603

Tritanomaly

15.4989, 0.4451, 0.3840

Monochromacy



Original Color

15.6033, 0.4876, 0.4511

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.0869, 0.3899, 0.4045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6033, 0.4876, 0.4511 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(148, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 101, 0)  
}
```

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(148, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 101, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.6033, 0.4876, 0.4511 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(148, 101, 0) }
```

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

```
.border{ border-color:rgb(148, 101, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 101, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 101,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6033, 0.4876, 0.4511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 101, 0) }
```

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

```
.background{ background-color: rgb(148,  
101, 0) }
```

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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