

Converting Colors

$Y_{xy}(15.8018, 0.4646, 0.4411)$

Have a look what the booklet for
Yxy(15.8018, 0.4646, 0.4411)
contains.

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Color

Yxy(15.7235, 0.4646, 0.4405)

Conversions

Conversions Part 1

Format	Color
Hex	90671E
RGB	144, 103, 30
RGB Percent	56%, 40%, 12%
CMY	0.4354, 0.5960, 0.8824
CMYK	0.00, 0.28, 0.79, 0.44
HSL	38°, 66%, 34%
HSV	38°, 79%, 56%
XYZ	16.5837, 15.7235, 3.3874
YIQ	106.9370, 47.8690, -14.0110

Conversions

Conversions Part 2

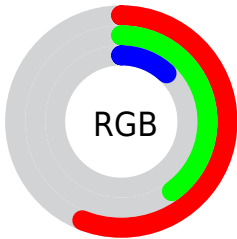
Format	Color
R_{YB}	94, 144, 30
Decimal	9463582
CIE _{Lab}	46.61, 9.53, 45.05
CIE _{LCh}	47, 46.041, 78.060
Yxy	15.7235, 0.4646, 0.4405
Android (android.graphics.Color)	4287653662 (0xFF90671E)
YUV	106.9370, -37.9299, 32.5043
Hunter-Lab	39.6529, 5.2603, 22.6920

Details

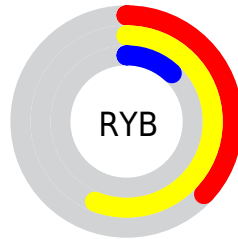
The Yxy color **15.7235, 0.4646, 0.4405** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.7885, 0.1866, 0.1621**, and the grayscale version is **14.7814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1079, 0.4323, 0.4208**, and **5.0020, 0.4982, 0.4426** is the 20% darker color. If you saturate the color by 10%, you get **14.6690, 0.4820, 0.4435**, and if you desaturate by 10%, it is **16.8769, 0.4449, 0.4329**.

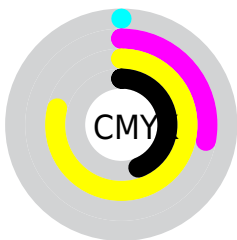
Distribution



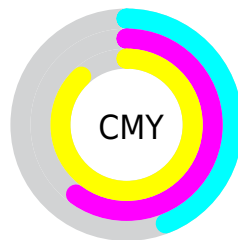
- Red (56%)
- Green (40%)
- Blue (12%)



- Red (37%)
- Yellow (56%)
- Blue (12%)



- Cyan (0%)
- Magenta (28%)
- Yellow (79%)
- Black (44%)




- Cyan (44%)
- Magenta (60%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7235, 0.4646, 0.4405 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 15.7235, 0.4646, 0.4405 by changing the saturation by 10% instead.


 15.7235, 0.4646,
0.4405


 15.7235, 0.4646,
0.4405


227.7046, 0.3799,
0.3828


 9.3287, 0.4857,
0.4516


 36.1175, 0.4328,
0.4207


 4.9562, 0.5223,
0.4722

 50.8855, 0.4210,
0.4127


 2.2216, 0.5364,
0.4636

 69.2134, 0.4112,
0.4058

 0.7317, 0.5599,
0.4401


 91.4856, 0.4029,
0.3999


 0.0000, 0.0000,
0.0000


 118.0863, 0.3958,
0.3947


 149.4002, 0.3898,


0.3902


 185.8115, 0.3845,
0.3863


 15.7235, 0.4646,
0.4405


 15.7235, 0.4646,
0.4405

 14.6690, 0.4820,
0.4435


 16.8769, 0.4449,
0.4329


 13.7001, 0.4971,
0.4426

 18.1321, 0.4238,
0.4216

 13.6236, 0.4984,
0.4425

 19.4943, 0.4025,
0.4076

 20.9678, 0.3816,
0.3920

 22.5563, 0.3618,
0.3756

■ 24.2635, 0.3435,
0.3591

■ 26.0927, 0.3267,
0.3431

■ 28.0471, 0.3115,
0.3278

■ 30.1297, 0.2980,
0.3134

Harmonies

Analogous

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



15.7235, 0.4939, 0.3759



15.7235, 0.4646, 0.4405



15.7235, 0.3966, 0.4911

Triad

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



15.7235, 0.4646, 0.4405



15.7235, 0.1780, 0.3185



15.7235, 0.2912, 0.2141

Complementary

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



15.7235, 0.4646, 0.4405



6.7885, 0.1866, 0.1621

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.



15.7235, 0.2162, 0.1948



15.7235, 0.4646, 0.4405



15.7235, 0.1593, 0.2410

Square

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



15.7235, 0.4646, 0.4405



15.7235, 0.2314, 0.4211



15.7235, 0.1723, 0.2019



15.7235, 0.3859, 0.2555

Rectangle

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



15.7235, 0.4646, 0.4405



15.7235, 0.3405, 0.5000



15.7235, 0.1723, 0.2019



15.7235, 0.2630, 0.2050

Sweetspot

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



15.7243, 0.4646, 0.4405



41.1801, 0.3530, 0.3678



7.3201, 0.4815, 0.2685



9.2246, 0.3590, 0.3731



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



15.7243, 0.4646, 0.4405



24.5447, 0.4934, 0.4424



24.6850, 0.3932, 0.5049



5.9638, 0.3267, 0.3431



11.9121, 0.4979, 0.4429



0.1558, 0.4556, 0.4764

Inverse Universe

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



6.7885, 0.1866, 0.1621



8.3583, 0.1690, 0.1242



3.5024, 0.1790, 0.0952



5.5525, 0.2990, 0.3145



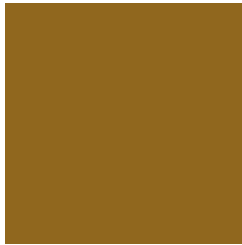
3.9142, 0.1665, 0.1193



0.0764, 0.1894, 0.2018

Previews

White Background



This preview shows how the Yxy color 15.7235, 0.4646, 0.4405 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 15.7235, 0.4646, 0.4405 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 15.7235, 0.4646, 0.4405

Background



This preview shows how black text looks on a background with the Yxy color 15.7235, 0.4646, 0.4405.



This preview shows how white text looks on a background with the Yxy color 15.7235, 0.4646, 0.4405.

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

15.7235, 0.4646, 0.4405

Protanopia

15.7582, 0.4234, 0.4680

Deuteranopia

15.6808, 0.4555, 0.4486



Tritanopia

15.6409, 0.3819, 0.3170

Trichromacy



Original Color

15.7235, 0.4646, 0.4405

Protanomaly

15.6493, 0.4384, 0.4583

Deuteranomaly

15.6521, 0.4598, 0.4454

Tritanomaly

15.6485, 0.4201, 0.3694

Monochromacy



Original Color

15.7235, 0.4646, 0.4405

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.8657, 0.3699, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7235, 0.4646, 0.4405 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(144, 103, 30)` looks like.

```
.text, #text, p{  
    color:rgb(144, 103, 30)  
}
```

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(144, 103, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 103, 30) }
```

Border

The CSS property to change the border of an element to Yxy 15.7235, 0.4646, 0.4405 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(144, 103, 30) }
```

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

```
.border{ border-color:rgb(144, 103, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 103, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 103, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 103, 30);  
box-shadow:4px 4px 4px 4px rgb(144, 103,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7235, 0.4646, 0.4405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 103, 30) }
```

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

```
.background{ background-color: rgb(144,  
103, 30) }
```

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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