

Converting Colors

$Y_{xy}(15.6123, 0.5129, 0.4871)$

Have a look what the booklet for
Yxy(15.6123, 0.5129, 0.4871)
contains.

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Color

Yxy(15.7058, 0.4846, 0.4534)

Conversions

Conversions Part 1

Format	Color
Hex	936600
RGB	147, 102, 0
RGB Percent	58%, 40%, 0%
CMY	0.4235, 0.6000, 0.9999
CMYK	0.00, 0.31, 1.00, 0.42
HSL	42°, 100%, 29%
HSV	42°, 100%, 58%
XYZ	16.7866, 15.7058, 2.1477
YIQ	103.8270, 59.5620, -22.1820

Conversions

Conversions Part 2

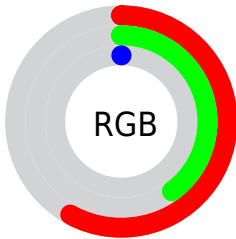
Format	Color
R_{YB}	65, 147, 0
Decimal	9659904
CIE _{Lab}	46.59, 10.76, 53.87
CIE _{LCh}	47, 54.933, 78.703
Yxy	15.7058, 0.4846, 0.4534
Android (android.graphics.Color)	4287849984 (0xFF936600)
YUV	103.8270, -51.1867, 37.8627
Hunter-Lab	39.6305, 6.2550, 24.5283

Details

The Yxy color **15.7058, 0.4846, 0.4534** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.9887, 0.1623, 0.1043**, and the grayscale version is **13.9240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0985, 0.4512, 0.4353**, and **4.9565, 0.5030, 0.4388** is the 20% darker color. If you saturate the color by 10%, you get **15.7043, 0.4846, 0.4534**, and if you desaturate by 10%, it is **16.6496, 0.4719, 0.4534**.

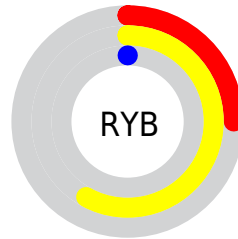
Distribution



Red (58%)

Green (40%)

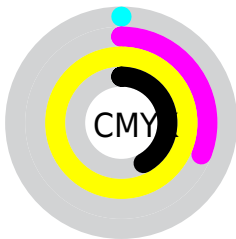
Blue (0%)



Red (25%)

Yellow (58%)

Blue (0%)

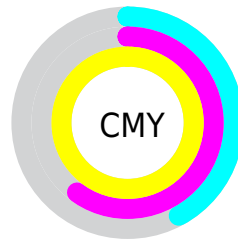


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7058, 0.4846, 0.4534 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 15.7058, 0.4846, 0.4534 by changing the saturation by 10% instead.


 15.7058, 0.4846,
0.4534


 15.7058, 0.4846,
0.4534


227.5994, 0.3920,
0.3929


 9.3162, 0.5054,
0.4626


 36.0867, 0.4517,
0.4346


 4.9480, 0.5300,
0.4700

 50.8468, 0.4388,
0.4262


 2.2168, 0.5426,
0.4574

 69.1659, 0.4278,
0.4188

 0.7291, 0.5686,
0.4314

 91.4283, 0.4185,
0.4122


 0.0000, 0.0000,
0.0000

 118.0184, 0.4104,
0.4065


 149.3208, 0.4035,


0.4014

 185.7196, 0.3974,
0.3969

 15.7058, 0.4846,
0.4534


 15.7058, 0.4846,
0.4534


 15.7043, 0.4846,
0.4534

 16.6496, 0.4719,
0.4534

 17.6649, 0.4571,
0.4499

 18.7647, 0.4398,
0.4417

 19.9539, 0.4208,
0.4298

 21.2370, 0.4011,
0.4149

■ 22.6180, 0.3814,
0.3983

■ 24.1005, 0.3624,
0.3807

■ 25.6878, 0.3445,
0.3630

■ 27.3831, 0.3278,
0.3456

Harmonies

Analogous

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



15.7058, 0.5248, 0.3782



15.7058, 0.4846, 0.4534



15.7058, 0.4027, 0.5188

Triad

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



15.7058, 0.4846, 0.4534



15.7058, 0.1555, 0.3112



15.7058, 0.2883, 0.1979

Complementary

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



15.7058, 0.4846, 0.4534



3.9887, 0.1623, 0.1043

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.



15.7058, 0.2018, 0.1756



15.7058, 0.4846, 0.4534



15.7058, 0.1372, 0.2225

Square

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



15.7058, 0.4846, 0.4534



15.7058, 0.2135, 0.4383



15.7058, 0.1527, 0.1815



15.7058, 0.4013, 0.2445

Rectangle

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



15.7058, 0.4846, 0.4534



15.7058, 0.3378, 0.5347



15.7058, 0.1527, 0.1815



15.7058, 0.2554, 0.1875

Sweetspot

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



15.7066, 0.4846, 0.4534



42.9733, 0.3636, 0.3819



6.4074, 0.5657, 0.2890



9.5738, 0.3708, 0.3886



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.



15.7066, 0.4846, 0.4534



27.7929, 0.4862, 0.4521



24.8712, 0.3878, 0.5302



6.4479, 0.3266, 0.3443



13.6562, 0.4842, 0.4538



0.2194, 0.4489, 0.4817

Inverse Universe

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



3.9887, 0.1623, 0.1043



6.8578, 0.1614, 0.1008



2.3407, 0.1597, 0.0653



5.9055, 0.2989, 0.3132



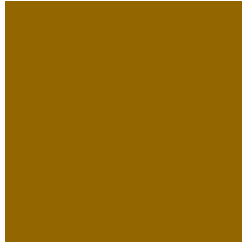
3.4950, 0.1626, 0.1052



0.0902, 0.1849, 0.1857

Previews

White Background



This preview shows how the Yxy color 15.7058, 0.4846, 0.4534 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 15.7058, 0.4846, 0.4534 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 15.7058, 0.4846, 0.4534

Background



This preview shows how black text looks on a background with the Yxy color 15.7058, 0.4846, 0.4534.



This preview shows how white text looks on a background with the Yxy color 15.7058, 0.4846, 0.4534.

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

15.7058, 0.4846, 0.4534

Protanopia

15.7486, 0.4368, 0.4847

Deuteranopia

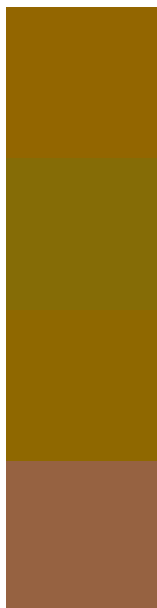
15.6786, 0.4703, 0.4648



Tritanopia

15.7230, 0.3884, 0.3172

Trichromacy



Original Color

15.7058, 0.4846, 0.4534

Protanomaly

15.7248, 0.4538, 0.4735

Deuteranomaly

15.7403, 0.4760, 0.4603

Tritanomaly

15.6010, 0.4412, 0.3846

Monochromacy



Original Color

15.7058, 0.4846, 0.4534

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 15.7058, 0.4846, 0.4534 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(147, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(147, 102, 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(147, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.7058, 0.4846, 0.4534 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(147, 102, 0) }
```

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

```
.border{ border-color:rgb(147, 102, 0) }
```

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

Here you see how a box with a 4 pixel rgb(147, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(147, 102,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7058, 0.4846, 0.4534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 102, 0) }
```

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

```
.background{ background-color: rgb(147,  
102, 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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