

Converting Colors

$Y_{xy}(15.0087, 0.4595, 0.4734)$

Have a look what the booklet for
Yxy(15.0087, 0.4595, 0.4734)
contains.

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Color

Yxy(15.0087, 0.4595, 0.4734)

Conversions

Conversions Part 1

Format	Color
Hex	846900
RGB	132, 105, 0
RGB Percent	52%, 41%, 0%
CMY	0.4823, 0.5882, 1.0000
CMYK	0.00, 0.20, 1.00, 0.48
HSL	48°, 100%, 26%
HSV	48°, 100%, 52%
XYZ	14.5680, 15.0087, 2.1273
YIQ	101.1030, 49.7970, -26.9310

Conversions

Conversions Part 2

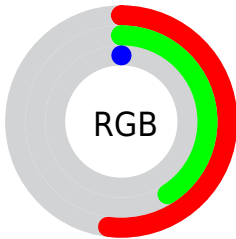
Format	Color
R_{YB}	34, 132, 0
Decimal	8677632
CIE Lab	45.65, 1.87, 52.42
CIE LCh	46, 52.453, 87.961
Yxy	15.0087, 0.4595, 0.4734
Android (android.graphics.Color)	4286867712 (0xFF846900)
YUV	101.1030, -49.8438, 27.0967
Hunter-Lab	38.7411, -0.6745, 23.8630

Details

The Yxy color **15.0087, 0.4595, 0.4734** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.4503, 0.1568, 0.0843**, and the grayscale version is **13.1643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9327, 0.4321, 0.4477**, and **4.6458, 0.4677, 0.4668** is the 20% darker color. If you saturate the color by 10%, you get **15.0096, 0.4595, 0.4734**, and if you desaturate by 10%, it is **15.5981, 0.4504, 0.4708**.

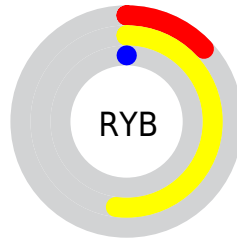
Distribution



Red (52%)

Green (41%)

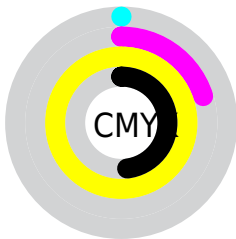
Blue (0%)



Red (13%)

Yellow (52%)

Blue (0%)

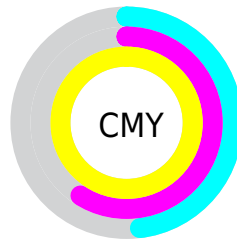


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (48%)



Cyan (48%)


Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0087, 0.4595, 0.4734 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 15.0087, 0.4595, 0.4734 by changing the saturation by 10% instead.


 15.0087, 0.4595,
0.4734


 15.0087, 0.4595,
0.4734


 223.4189, 0.3812,
0.3976


 8.8255, 0.4763,
0.4887


 34.8684, 0.4321,
0.4475


 4.6275, 0.4951,
0.5049

 49.3138, 0.4212,
0.4369

 2.0304, 0.4975,
0.5025

 67.2819, 0.4118,
0.4278

 0.6251, 0.5058,
0.4942

 89.1573, 0.4038,
0.4200


 0.0000, 0.0000,
0.0000

 115.3243, 0.3969,
0.4132


 146.1673, 0.3910,


0.4073


 182.0707, 0.3857,
0.4021

 15.0087, 0.4595,
0.4734


 15.0087, 0.4595,
0.4734


 15.0096, 0.4595,
0.4734

 15.5981, 0.4504,
0.4708

 16.2215, 0.4395,
0.4652

 16.8900, 0.4262,
0.4553

 17.6070, 0.4108,
0.4417

 18.3756, 0.3942,
0.4252

■ 19.1984, 0.3771,
0.4067

■ 20.0777, 0.3599,
0.3872

■ 21.0159, 0.3433,
0.3674

■ 22.0151, 0.3275,
0.3478

Harmonies

Analogous

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



15.0087, 0.5135, 0.4007



15.0087, 0.4595, 0.4734



15.0087, 0.3727, 0.5247

Triad

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



15.0087, 0.4595, 0.4734



15.0087, 0.1499, 0.2803



15.0087, 0.3217, 0.2128

Complementary

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



15.0087, 0.4595, 0.4734



2.4503, 0.1568, 0.0843

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.



15.0087, 0.2269, 0.1830



15.0087, 0.4595, 0.4734



15.0087, 0.1424, 0.2088

Square

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



15.0087, 0.4595, 0.4734



15.0087, 0.1948, 0.3962



15.0087, 0.1675, 0.1800



15.0087, 0.4317, 0.2647

Rectangle

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



15.0087, 0.4595, 0.4734



15.0087, 0.3081, 0.5215



15.0087, 0.1675, 0.1800



15.0087, 0.2867, 0.2001

Sweetspot

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



15.0096, 0.4595, 0.4734



35.2553, 0.3611, 0.3885



4.9929, 0.5966, 0.3060



8.0759, 0.3672, 0.3957



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



15.0096, 0.4595, 0.4734



26.2203, 0.4605, 0.4726



18.9165, 0.3714, 0.5433



5.2656, 0.3261, 0.3462



14.5388, 0.4594, 0.4734



0.0605, 0.4376, 0.4907

Inverse Universe

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



2.4503, 0.1568, 0.0843



4.1339, 0.1559, 0.0812



2.0670, 0.1706, 0.0713



4.6876, 0.2992, 0.3112



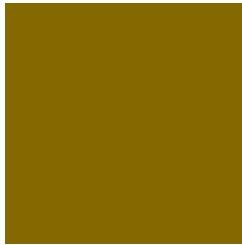
2.3790, 0.1568, 0.0845



0.0169, 0.1753, 0.1510

Previews

White Background



This preview shows how the Yxy color 15.0087, 0.4595, 0.4734 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 15.0087, 0.4595, 0.4734 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 15.0087, 0.4595, 0.4734

Background



This preview shows how black text looks on a background with the Yxy color 15.0087, 0.4595, 0.4734.

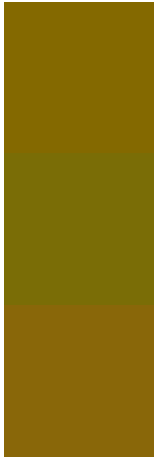


This preview shows how white text looks on a background with the Yxy color 15.0087, 0.4595, 0.4734.

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

15.0087, 0.4595, 0.4734

Protanopia

15.0880, 0.4366, 0.4869

Deuteranopia

15.0386, 0.4666, 0.4611



Tritanopia

15.0737, 0.3615, 0.3162

Trichromacy



Original Color

15.0087, 0.4595, 0.4734

Protanomaly

15.1695, 0.4446, 0.4821

Deuteranomaly

15.0647, 0.4632, 0.4660

Tritanomaly

14.8635, 0.4134, 0.3924

Monochromacy



Original Color

15.0087, 0.4595, 0.4734

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.3177, 0.3809, 0.4105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0087, 0.4595, 0.4734 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(132, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(132, 105, 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(132, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 105, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.0087, 0.4595, 0.4734 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(132, 105, 0) }
```

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

```
.border{ border-color:rgb(132, 105, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(132, 105,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0087, 0.4595, 0.4734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 105, 0) }
```

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

```
.background{ background-color: rgb(132,  
105, 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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