

Converting Colors

$Y_{xy}(15.0262, 0.4983, 0.5017)$

Have a look what the booklet for
Yxy(15.0262, 0.4983, 0.5017)
contains.

Yxy(15.3039, 0.4694, 0.4655)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.3039, 0.4694, 0.4655)

Conversions

Conversions Part 1

Format	Color
Hex	8A6800
RGB	138, 104, 0
RGB Percent	54%, 41%, 0%
CMY	0.4588, 0.5921, 1.0000
CMYK	0.00, 0.25, 1.00, 0.46
HSL	45°, 100%, 27%
HSV	45°, 100%, 54%
XYZ	15.4321, 15.3039, 2.1402
YIQ	102.3100, 53.6480, -25.1360

Conversions

Conversions Part 2

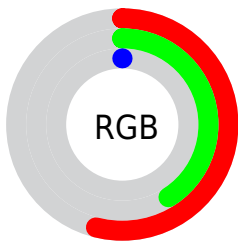
Format	Color
RYB	45, 138, 0
Decimal	9070592
CIELab	46.05, 5.32, 53.00
CIELCh	46, 53.270, 84.263
Yxy	15.3039, 0.4694, 0.4655
Android (android.graphics.Color)	4287260672 (0xFF8A6800)
YUV	102.3100, -50.4388, 31.3001
Hunter-Lab	39.1202, 1.9542, 24.1404

Details

The Yxy color **15.3039, 0.4694, 0.4655** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.9793, 0.1588, 0.0917**, and the grayscale version is **13.4974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5154, 0.4402, 0.4425**, and **4.7653, 0.4814, 0.4560** is the 20% darker color. If you saturate the color by 10%, you get **15.3047, 0.4694, 0.4655**, and if you desaturate by 10%, it is **16.0343, 0.4589, 0.4639**.

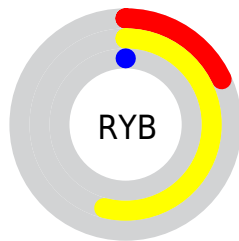
Distribution



Red (54%)

Green (41%)

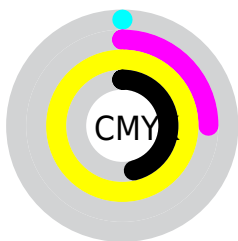
Blue (0%)



Red (18%)

Yellow (54%)

Blue (0%)

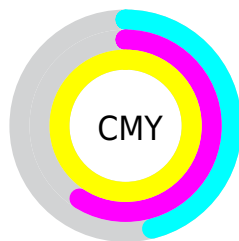


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (46%)



Cyan (46%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3039, 0.4694, 0.4655 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 15.3039, 0.4694, 0.4655 by changing the saturation by 10% instead.


 15.3039, 0.4694,
0.4655


 15.3039, 0.4694,
0.4655

225.1983, 0.3854,
0.3958


 9.0329, 0.4878,
0.4783

 35.3854, 0.4398,
0.4424


 4.7627, 0.5090,
0.4910

 49.9648, 0.4281,
0.4327


 2.1087, 0.5157,
0.4843

 68.0824, 0.4181,
0.4243

 0.6695, 0.5337,
0.4663


 90.1227, 0.4096,
0.4170


 0.0000, 0.0000,
0.0000


 116.4701, 0.4022,
0.4106


 147.5089, 0.3959,


0.4050


 183.6235, 0.3903,
0.4001

 15.3039, 0.4694,
0.4655


 15.3039, 0.4694,
0.4655

 15.3047, 0.4694,
0.4655

 16.0343, 0.4589,
0.4639

 16.8114, 0.4465,
0.4591

 17.6470, 0.4316,
0.4499

 18.5450, 0.4149,
0.4369

 19.5089, 0.3970,
0.4211

■ 20.5418, 0.3789,
0.4034

■ 21.6465, 0.3610,
0.3846

■ 22.8257, 0.3438,
0.3656

■ 24.0818, 0.3276,
0.3470

Harmonies

Analogous

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



15.3039, 0.5180, 0.3918



15.3039, 0.4694, 0.4655



15.3039, 0.3846, 0.5228

Triad

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



15.3039, 0.4694, 0.4655



15.3039, 0.1522, 0.2920



15.3039, 0.3084, 0.2070

Complementary

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



15.3039, 0.4694, 0.4655



2.9793, 0.1588, 0.0917

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.



15.3039, 0.2168, 0.1802



15.3039, 0.4694, 0.4655



15.3039, 0.1404, 0.2141

Square

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



15.3039, 0.4694, 0.4655



15.3039, 0.2021, 0.4125



15.3039, 0.1616, 0.1806



15.3039, 0.4198, 0.2568

Rectangle

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



15.3039, 0.4694, 0.4655



15.3039, 0.3198, 0.5273



15.3039, 0.1616, 0.1806



15.3039, 0.2742, 0.1952

Sweetspot

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



15.3047, 0.4694, 0.4655



38.0244, 0.3621, 0.3858



5.5221, 0.5874, 0.3009



8.3674, 0.3685, 0.3927



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



15.3047, 0.4694, 0.4655



26.7185, 0.4706, 0.4645



21.0917, 0.3767, 0.5391



5.6397, 0.3263, 0.3454



14.0548, 0.4692, 0.4657



0.1163, 0.4420, 0.4872

Inverse Universe

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



2.9793, 0.1588, 0.0917



5.0344, 0.1579, 0.0885



2.1838, 0.1664, 0.0690



5.0795, 0.2991, 0.3121



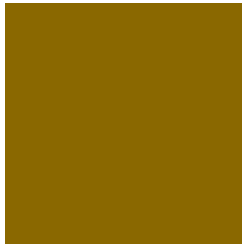
2.7520, 0.1590, 0.0923



0.0385, 0.1794, 0.1660

Previews

White Background



This preview shows how the Yxy color 15.3039, 0.4694, 0.4655 looks on a white background.

Color Contrast Check

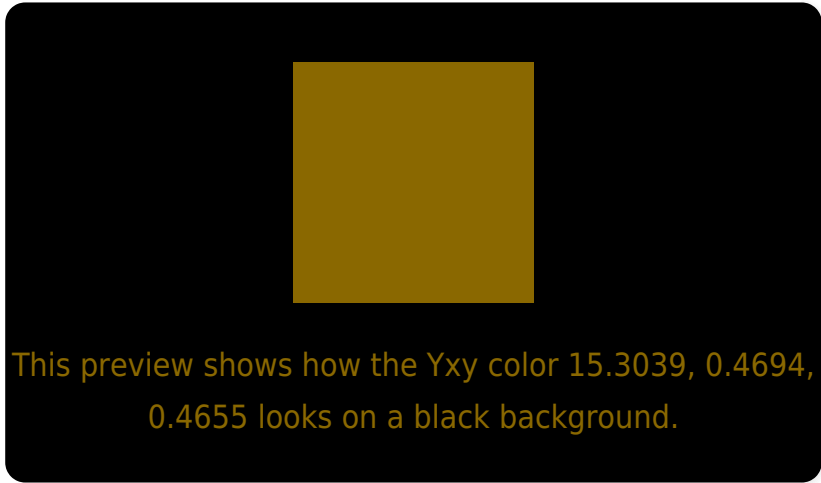
Large Text (above 18pt) WCAG AA ✓ Pass

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

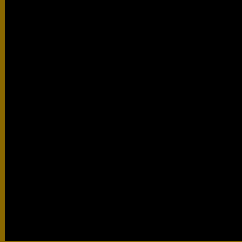
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.3039, 0.4694, 0.4655

Background



This preview shows how black text looks on a background with the Yxy color 15.3039, 0.4694, 0.4655.



This preview shows how white text looks on a background with the Yxy color 15.3039, 0.4694, 0.4655.

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

15.3039, 0.4694, 0.4655

Protanopia

15.4523, 0.4375, 0.4855

Deuteranopia

15.3105, 0.4683, 0.4642



Tritanopia

15.3885, 0.3724, 0.3166

Trichromacy



Original Color

15.3039, 0.4694, 0.4655

Protanomaly

15.4010, 0.4489, 0.4788

Deuteranomaly

15.3083, 0.4687, 0.4646

Tritanomaly

15.1704, 0.4247, 0.3899

Monochromacy



Original Color

15.3039, 0.4694, 0.4655

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.7270, 0.3835, 0.4089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3039, 0.4694, 0.4655 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(138, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 104, 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(138, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 104, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.3039, 0.4694, 0.4655 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(138, 104, 0) }
```

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

```
.border{ border-color:rgb(138, 104, 0) }
```

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

Here you see how a box with a 4 pixel rgb(138, 104, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 104,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3039, 0.4694, 0.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 104, 0) }
```

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

```
.background{ background-color: rgb(138,  
104, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor