

Converting Colors

$Yxy(16.7187, 0.4760, 0.4602)$

Have a look what the booklet for
Yxy(16.7187, 0.4760, 0.4602)
contains.

Yxy(16.7184, 0.4760, 0.4603)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7184, 0.4760, 0.4603)

Conversions

Conversions Part 1

Format	Color
Hex	936B00
RGB	147, 107, 0
RGB Percent	58%, 42%, 0%
CMY	0.4236, 0.5804, 1.0000
CMYK	0.00, 0.27, 1.00, 0.42
HSL	44°, 100%, 29%
HSV	44°, 100%, 58%
XYZ	17.2886, 16.7184, 2.3136
YIQ	106.7620, 58.1870, -24.7970

Conversions

Conversions Part 2

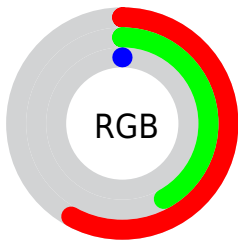
Format	Color
R_{YB}	55, 147, 0
Decimal	9661184
CIE Lab	47.90, 7.85, 54.78
CIE LCh	48, 55.343, 81.842
Yxy	16.7184, 0.4760, 0.4603
Android (android.graphics.Color)	4287851264 (0xFF936B00)
YUV	106.7620, -52.6337, 35.2887
Hunter-Lab	40.8881, 3.9205, 25.2668

Details

The Yxy color **16.7184, 0.4760, 0.4603** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.6225, 0.1601, 0.0963**, and the grayscale version is **14.7705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7807, 0.4456, 0.4399**, and **5.4559, 0.4890, 0.4499** is the 20% darker color. If you saturate the color by 10%, you get **16.7194, 0.4760, 0.4603**, and if you desaturate by 10%, it is **17.6062, 0.4647, 0.4596**.

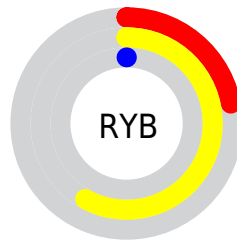
Distribution



Red (58%)

Green (42%)

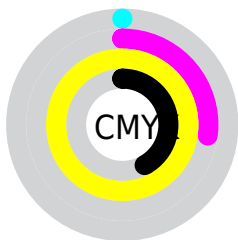
Blue (0%)



Red (22%)

Yellow (58%)

Blue (0%)

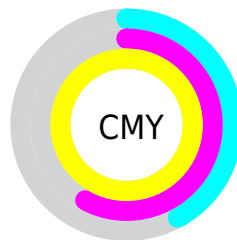


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (42%)



Cyan (42%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7184, 0.4760, 0.4603 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 16.7184, 0.4760, 0.4603 by changing the saturation by 10% instead.


 16.7184, 0.4760,
0.4603


 16.7184, 0.4760,
0.4603


 233.5443, 0.3894,
0.3955

 10.0339, 0.4945,
0.4709


 37.8410, 0.4456,
0.4396


 5.4215, 0.5178,
0.4822

 53.0479, 0.4336,
0.4306


 2.4966, 0.5265,
0.4735


 71.8643, 0.4233,
0.4227

 0.8749, 0.5423,
0.4577


 94.6748, 0.4145,
0.4158


 0.0000, 0.0000,
0.0000


 121.8636, 0.4069,
0.4097


 153.8152, 0.4003,


0.4044


 190.9140, 0.3945,
0.3997


 16.7184, 0.4760,
0.4603


 16.7184, 0.4760,
0.4603

 16.7194, 0.4760,
0.4603

 17.6062, 0.4647,
0.4596

 18.5554, 0.4513,
0.4554

 19.5791, 0.4354,
0.4467

 20.6820, 0.4177,
0.4342

 21.8683, 0.3991,
0.4188

■ 23.1417, 0.3802,
0.4015

■ 24.5058, 0.3618,
0.3832

■ 25.9637, 0.3442,
0.3646

■ 27.5183, 0.3278,
0.3465

Harmonies

Analogous

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



16.7184, 0.5210, 0.3859



16.7184, 0.4760, 0.4603



16.7184, 0.3924, 0.5213

Triad

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



16.7184, 0.4760, 0.4603



16.7184, 0.1536, 0.3001



16.7184, 0.2996, 0.2030

Complementary

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



16.7184, 0.4760, 0.4603



3.6225, 0.1601, 0.0963

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.



16.7184, 0.2102, 0.1782



16.7184, 0.4760, 0.4603



16.7184, 0.1390, 0.2177

Square

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



16.7184, 0.4760, 0.4603



16.7184, 0.2070, 0.4236



16.7184, 0.1577, 0.1810



16.7184, 0.4119, 0.2515

Rectangle

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



16.7184, 0.4760, 0.4603



16.7184, 0.3276, 0.5308



16.7184, 0.1577, 0.1810



16.7184, 0.2660, 0.1919

Sweetspot

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



16.7194, 0.4760, 0.4603



43.7379, 0.3629, 0.3843



6.3667, 0.5776, 0.2956



9.7671, 0.3699, 0.3914



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.



16.7194, 0.4760, 0.4603



29.6411, 0.4774, 0.4592



24.5186, 0.3821, 0.5348



6.4806, 0.3266, 0.3450



14.5394, 0.4756, 0.4606



0.2270, 0.4449, 0.4849

Inverse Universe

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



3.6225, 0.1601, 0.0963



6.2303, 0.1592, 0.0930



2.4109, 0.1626, 0.0669



5.8745, 0.2989, 0.3124



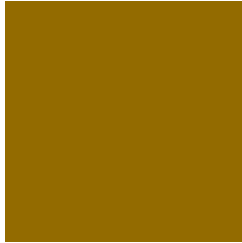
3.1778, 0.1604, 0.0972



0.0826, 0.1819, 0.1746

Previews

White Background



This preview shows how the Yxy color 16.7184, 0.4760, 0.4603 looks on a white background.

Color Contrast Check

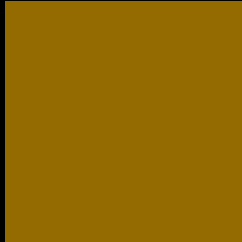
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7184, 0.4760, 0.4603 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 16.7184, 0.4760, 0.4603

Background



This preview shows how black text looks on a background with the Yxy color 16.7184, 0.4760, 0.4603.



This preview shows how white text looks on a background with the Yxy color 16.7184, 0.4760, 0.4603.

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

16.7184, 0.4760, 0.4603

Protanopia

16.7215, 0.4379, 0.4843

Deuteranopia

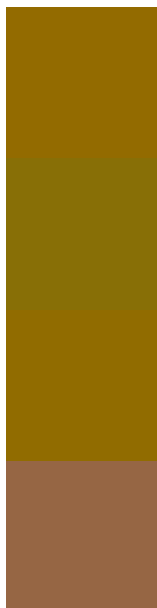
16.6544, 0.4705, 0.4646



Tritanopia

16.6606, 0.3801, 0.3156

Trichromacy



Original Color

16.7184, 0.4760, 0.4603

Protanomaly

16.6163, 0.4531, 0.4743

Deuteranomaly

16.7449, 0.4718, 0.4636

Tritanomaly

16.4041, 0.4329, 0.3865

Monochromacy



Original Color

16.7184, 0.4760, 0.4603

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.0703, 0.3870, 0.4071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7184, 0.4760, 0.4603 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, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(147, 107, 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, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 107, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.7184, 0.4760, 0.4603 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, 107, 0) }
```

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

```
.border{ border-color:rgb(147, 107, 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, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(147, 107,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7184, 0.4760, 0.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 107, 0) }
```

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

```
.background{ background-color: rgb(147,  
107, 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