

Converting Colors

$Y_{xy}(16.6255, 0.4458, 0.4702)$

Have a look what the booklet for
Yxy(16.6255, 0.4458, 0.4702)
contains.

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Color

Yxy(16.5634, 0.4474, 0.4694)

Conversions

Conversions Part 1

Format	Color
Hex	876F12
RGB	135, 111, 18
RGB Percent	53%, 44%, 7%
CMY	0.4705, 0.5647, 0.9295
CMYK	0.00, 0.18, 0.87, 0.47
HSL	48°, 77%, 30%
HSV	48°, 87%, 53%
XYZ	15.7871, 16.5634, 2.9358
YIQ	107.5740, 44.1570, -23.8350

Conversions

Conversions Part 2

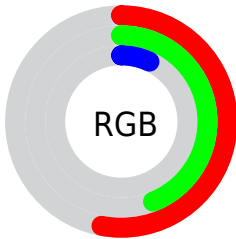
Format	Color
RYB	48, 135, 18
Decimal	8875794
CIELab	47.71, 0.26, 49.86
CIELCh	48, 49.864, 89.706
Yxy	16.5634, 0.4474, 0.4694
Android (android.graphics.Color)	4287065874 (0xFF876F12)
YUV	107.5740, -44.1600, 24.0526
Hunter-Lab	40.6982, -1.9804, 24.2117

Details

The Yxy color **16.5634, 0.4474, 0.4694** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.5333, 0.1687, 0.1094**, and the grayscale version is **14.9872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5150, 0.4224, 0.4423**, and **5.4161, 0.4580, 0.4746** is the 20% darker color. If you saturate the color by 10%, you get **15.9351, 0.4567, 0.4724**, and if you desaturate by 10%, it is **17.2361, 0.4357, 0.4624**.

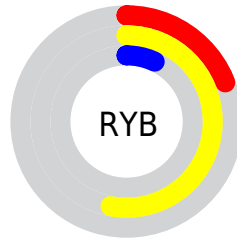
Distribution



Red (53%)

Green (44%)

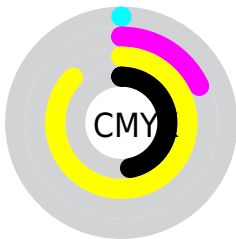
Blue (7%)



Red (19%)

Yellow (53%)

Blue (7%)

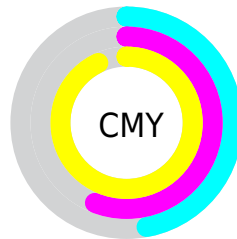


Cyan (0%)

Magenta (18%)

Yellow (87%)

Black (47%)



Cyan (47%)


Magenta (56%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5634, 0.4474, 0.4694 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 16.5634, 0.4474, 0.4694 by changing the saturation by 10% instead.


 16.5634, 0.4474,
0.4694


 16.5634, 0.4474,
0.4694


 232.6437, 0.3755,
0.3946


 9.9237, 0.4628,
0.4853


 37.5736, 0.4219,
0.4429


 5.3484, 0.4883,
0.5117

 52.7128, 0.4119,
0.4325


 2.4531, 0.4886,
0.5114

 71.4541, 0.4034,
0.4237

 0.8530, 0.4892,
0.5108

 94.1817, 0.3961,
0.4161

 0.0000, 0.0000,
0.0000


 121.2800, 0.3898,
0.4096


 153.1336, 0.3844,


0.4039

 190.1266, 0.3797,
0.3990


 16.5634, 0.4474,
0.4694


 16.5634, 0.4474,
0.4694


 15.9351, 0.4567,
0.4724


 17.2361, 0.4357,
0.4624

 15.7324, 0.4597,
0.4732

 17.9569, 0.4216,
0.4512

 18.7301, 0.4057,
0.4366

 19.5587, 0.3888,
0.4194

 20.4453, 0.3715,
0.4005

■ 21.3926, 0.3544,
0.3807

■ 22.4028, 0.3380,
0.3609

■ 23.4780, 0.3225,
0.3415

■ 24.6203, 0.3081,
0.3230

Harmonies

Analogous

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



16.5634, 0.4983, 0.4031



16.5634, 0.4474, 0.4694



16.5634, 0.3658, 0.5107

Triad

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



16.5634, 0.4474, 0.4694



16.5634, 0.1591, 0.2802



16.5634, 0.3275, 0.2226

Complementary

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



16.5634, 0.4474, 0.4694



3.5333, 0.1687, 0.1094

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.



16.5634, 0.2375, 0.1930



16.5634, 0.4474, 0.4694



16.5634, 0.1532, 0.2151

Square

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



16.5634, 0.4474, 0.4694



16.5634, 0.2002, 0.3843



16.5634, 0.1790, 0.1889



16.5634, 0.4279, 0.2729

Rectangle

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



16.5634, 0.4474, 0.4694



16.5634, 0.3051, 0.5021



16.5634, 0.1790, 0.1889



16.5634, 0.2947, 0.2101

Sweetspot

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



16.5642, 0.4474, 0.4694



38.3187, 0.3543, 0.3805



5.7608, 0.5525, 0.2988



8.7539, 0.3593, 0.3865



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.



16.5642, 0.4474, 0.4694



27.9346, 0.4608, 0.4724



20.1924, 0.3732, 0.5293



5.2651, 0.3262, 0.3462



14.5225, 0.4595, 0.4733



0.0605, 0.4377, 0.4907

Inverse Universe

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



3.5333, 0.1687, 0.1094



4.4008, 0.1559, 0.0810



2.8887, 0.1862, 0.0902



4.6881, 0.2992, 0.3112



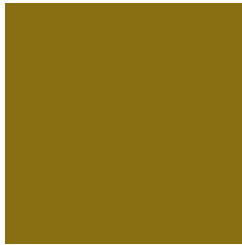
2.3827, 0.1568, 0.0846



0.0169, 0.1754, 0.1512

Previews

White Background



This preview shows how the Yxy color 16.5634, 0.4474, 0.4694 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 16.5634, 0.4474, 0.4694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

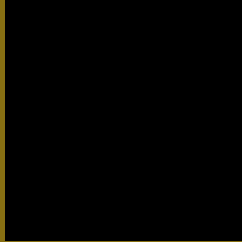
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5634, 0.4474, 0.4694

Background



This preview shows how black text looks on a background with the Yxy color 16.5634, 0.4474, 0.4694.



This preview shows how white text looks on a background with the Yxy color 16.5634, 0.4474, 0.4694.

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

16.5634, 0.4474, 0.4694

Protanopia

16.6708, 0.4327, 0.4797

Deuteranopia

16.6153, 0.4618, 0.4563



Tritanopia

16.5109, 0.3566, 0.3148

Trichromacy



Original Color

16.5634, 0.4474, 0.4694

Protanomaly

16.6826, 0.4384, 0.4754

Deuteranomaly

16.5597, 0.4567, 0.4612

Tritanomaly

16.3329, 0.4010, 0.3821

Monochromacy



Original Color

16.5634, 0.4474, 0.4694

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.2968, 0.3704, 0.3987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5634, 0.4474, 0.4694 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(135, 111, 18)` looks like.

```
.text, #text, p{  
    color:rgb(135, 111, 18)  
}
```

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(135, 111, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 111, 18) }
```

Border

The CSS property to change the border of an element to Yxy 16.5634, 0.4474, 0.4694 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(135, 111, 18) }
```

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

```
.border{ border-color:rgb(135, 111, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 111, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 111, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 111, 18);  
box-shadow:4px 4px 4px 4px rgb(135, 111,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5634, 0.4474, 0.4694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 111, 18) }
```

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

```
.background{ background-color: rgb(135,  
111, 18) }
```

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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