

Converting Colors

$Y_{xy}(16.7610, 0.4789, 0.4580)$

Have a look what the booklet for
Yxy(16.7610, 0.4789, 0.4580)
contains.

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Color

Yxy(16.6976, 0.4802, 0.4569)

Conversions

Conversions Part 1

Format	Color
Hex	956A00
RGB	149, 106, 0
RGB Percent	58%, 42%, 0%
CMY	0.4157, 0.5843, 0.9999
CMYK	0.00, 0.29, 1.00, 0.42
HSL	43°, 100%, 29%
HSV	43°, 100%, 58%
XYZ	17.5491, 16.6976, 2.2987
YIQ	106.7730, 59.6540, -23.8500

Conversions

Conversions Part 2

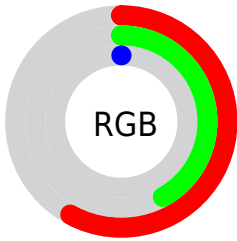
Format	Color
RYB	60, 149, 0
Decimal	9792000
CIELab	47.88, 9.38, 54.86
CIELCh	48, 55.653, 80.293
Yxy	16.6976, 0.4802, 0.4569
Android (android.graphics.Color)	4287982080 (0xFF956A00)
YUV	106.7730, -52.6391, 37.0331
Hunter-Lab	40.8627, 5.1498, 25.2686

Details

The Yxy color **16.6976, 0.4802, 0.4569** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.9003, 0.1611, 0.0999**, and the grayscale version is **14.7744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7271, 0.4485, 0.4377**, and **5.4551, 0.4955, 0.4447** is the 20% darker color. If you saturate the color by 10%, you get **16.6966, 0.4802, 0.4569**, and if you desaturate by 10%, it is **17.6416, 0.4682, 0.4567**.

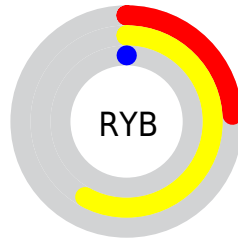
Distribution



Red (58%)

Green (42%)

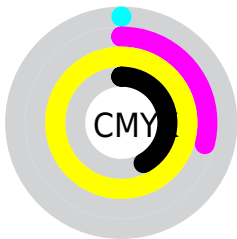
Blue (0%)



Red (24%)

Yellow (58%)

Blue (0%)

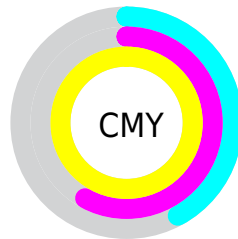


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6976, 0.4802, 0.4569 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 16.6976, 0.4802, 0.4569 by changing the saturation by 10% instead.


 16.6976, 0.4802,
0.4569


 16.6976, 0.4802,
0.4569


233.4237, 0.3911,
0.3945


 10.0191, 0.4994,
0.4666


 37.8051, 0.4489,
0.4373

 5.4116, 0.5236,
0.4764

 53.0029, 0.4365,
0.4287

 2.4908, 0.5340,
0.4660

 71.8093, 0.4259,
0.4211

 0.8720, 0.5526,
0.4474

 94.6087, 0.4168,
0.4143

 0.0000, 1.0000,
0.0000


 121.7854, 0.4090,
0.4084

 0.0000, 0.0000,
0.0000

 153.7239, 0.4023,

0.4032


 190.8085, 0.3963,
0.3986


 16.6976, 0.4802,
0.4569


 16.6976, 0.4802,
0.4569


 16.6966, 0.4802,
0.4569

 17.6416, 0.4682,
0.4567

 18.6541, 0.4542,
0.4528

 19.7484, 0.4377,
0.4444

 20.9294, 0.4193,
0.4321

 22.2016, 0.4001,
0.4170

■ 23.5690, 0.3809,
0.4000

■ 25.0352, 0.3621,
0.3820

■ 26.6037, 0.3443,
0.3639

■ 28.2775, 0.3278,
0.3460

Harmonies

Analogous

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



16.6976, 0.5229, 0.3821



16.6976, 0.4802, 0.4569



16.6976, 0.3975, 0.5201

Triad

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



16.6976, 0.4802, 0.4569



16.6976, 0.1545, 0.3055



16.6976, 0.2941, 0.2005

Complementary

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



16.6976, 0.4802, 0.4569



3.9003, 0.1611, 0.0999

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.



16.6976, 0.2061, 0.1769



16.6976, 0.4802, 0.4569



16.6976, 0.1381, 0.2201

Square

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



16.6976, 0.4802, 0.4569



16.6976, 0.2102, 0.4307



16.6976, 0.1552, 0.1812



16.6976, 0.4067, 0.2481

Rectangle

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



16.6976, 0.4802, 0.4569



16.6976, 0.3326, 0.5327



16.6976, 0.1552, 0.1812



16.6976, 0.2608, 0.1898

Sweetspot

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



16.6984, 0.4802, 0.4569



44.6621, 0.3633, 0.3832



6.5779, 0.5720, 0.2925



9.6729, 0.3703, 0.3900



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.



16.6984, 0.4802, 0.4569



29.5795, 0.4817, 0.4557



25.4328, 0.3850, 0.5325



6.4647, 0.3266, 0.3447



14.1042, 0.4797, 0.4573



0.2233, 0.4468, 0.4834

Inverse Universe

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



3.9003, 0.1611, 0.0999



6.7087, 0.1602, 0.0966



2.4441, 0.1610, 0.0661



5.8895, 0.2989, 0.3128



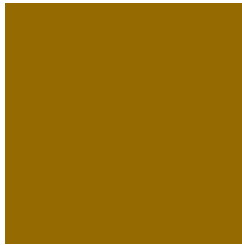
3.3269, 0.1614, 0.1010



0.0863, 0.1834, 0.1801

Previews

White Background



This preview shows how the Yxy color 16.6976, 0.4802, 0.4569 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 16.6976, 0.4802, 0.4569 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 16.6976, 0.4802, 0.4569

Background



This preview shows how black text looks on a background with the Yxy color 16.6976, 0.4802, 0.4569.



This preview shows how white text looks on a background with the Yxy color 16.6976, 0.4802, 0.4569.

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

16.6976, 0.4802, 0.4569

Protanopia

16.7215, 0.4379, 0.4843

Deuteranopia

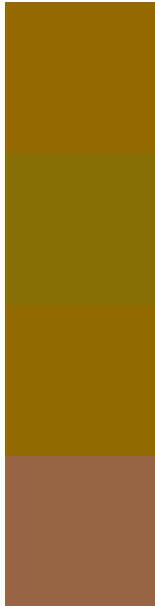
16.6544, 0.4705, 0.4646



Tritanopia

16.8343, 0.3845, 0.3174

Trichromacy



Original Color

16.6976, 0.4802, 0.4569

Protanomaly

16.6163, 0.4531, 0.4743

Deuteranomaly

16.6264, 0.4747, 0.4613

Tritanomaly

16.5834, 0.4370, 0.3873

Monochromacy



Original Color

16.6976, 0.4802, 0.4569

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 16.6976, 0.4802, 0.4569 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(149, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(149, 106, 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(149, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 106, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.6976, 0.4802, 0.4569 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(149, 106, 0) }
```

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

```
.border{ border-color:rgb(149, 106, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 106, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(149, 106,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6976, 0.4802, 0.4569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 106, 0) }
```

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

```
.background{ background-color: rgb(149,  
106, 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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