

Converting Colors

$Y_{xy}(14.8472, 0.4328, 0.5011)$

Have a look what the booklet for
Yxy(14.8472, 0.4328, 0.5011)
contains.

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Color

Yxy(14.9338, 0.4297, 0.4970)

Conversions

Conversions Part 1

Format	Color
Hex	756E00
RGB	117, 110, 0
RGB Percent	46%, 43%, 0%
CMY	0.5412, 0.5686, 0.9999
CMYK	0.00, 0.06, 1.00, 0.54
HSL	56°, 100%, 23%
HSV	56°, 100%, 46%
XYZ	12.9116, 14.9338, 2.2025
YIQ	99.5530, 39.4820, -32.7260

Conversions

Conversions Part 2

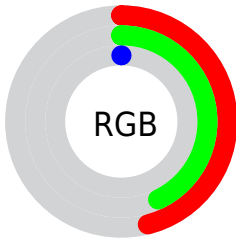
Format	Color
RYB	7, 117, 0
Decimal	7695872
CIELab	45.54, -8.24, 51.62
CIELCh	46, 52.269, 99.074
Yxy	14.9338, 0.4297, 0.4970
Android (android.graphics.Color)	4285885952 (0xFF756E00)
YUV	99.5530, -49.0796, 15.3010
Hunter-Lab	38.6443, -7.9882, 23.6718

Details

The Yxy color **14.9338, 0.4297, 0.4970** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.4366, 0.1518, 0.0663**, and the grayscale version is **12.7448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6082, 0.4091, 0.4623**, and **4.6788, 0.4241, 0.5014** is the 20% darker color. If you saturate the color by 10%, you get **14.9341, 0.4297, 0.4970**, and if you desaturate by 10%, it is **15.1118, 0.4247, 0.4917**.

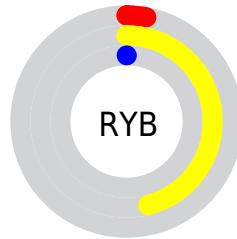
Distribution



Red (46%)

Green (43%)

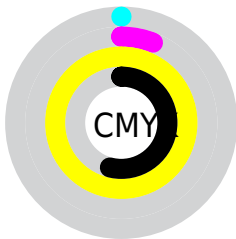
Blue (0%)



Red (3%)

Yellow (46%)

Blue (0%)

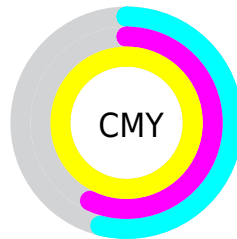


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (54%)



Cyan (54%)


Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9338, 0.4297, 0.4970 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 14.9338, 0.4297, 0.4970 by changing the saturation by 10% instead.


 14.9338, 0.4297,
0.4970


 14.9338, 0.4297,
0.4970


 222.9652, 0.3693,
0.4036


 8.7729, 0.4407,
0.5193


 34.7370, 0.4096,
0.4627


 4.5934, 0.4521,
0.5479

 49.1481, 0.4011,
0.4496


 2.0107, 0.4407,
0.5593

 67.0781, 0.3938,
0.4387

 0.6137, 0.3837,
0.6163

 88.9114, 0.3875,
0.4294


 0.0000, 0.0000,
0.0000


 115.0324, 0.3820,
0.4215


 145.8254, 0.3772,


0.4147


 181.6749, 0.3730,
0.4088


 14.9338, 0.4297,
0.4970


 14.9338, 0.4297,
0.4970


 14.9341, 0.4297,
0.4970

 15.1118, 0.4247,
0.4917

 15.3021, 0.4182,
0.4840

 15.5145, 0.4094,
0.4723

 15.7512, 0.3983,
0.4570

 16.0145, 0.3855,
0.4386

■ 16.3061, 0.3714,
0.4180

■ 16.6277, 0.3566,
0.3960

■ 16.9810, 0.3417,
0.3734

■ 17.3672, 0.3269,
0.3509

Harmonies

Analogous

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



14.9338, 0.4988, 0.4279



14.9338, 0.4297, 0.4970



14.9338, 0.3369, 0.5277

Triad

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



14.9338, 0.4297, 0.4970



14.9338, 0.1434, 0.2483



14.9338, 0.3628, 0.2300

Complementary

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



14.9338, 0.4297, 0.4970



1.4366, 0.1518, 0.0663

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.



14.9338, 0.2584, 0.1913



14.9338, 0.4297, 0.4970



14.9338, 0.1482, 0.1941

Square

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



14.9338, 0.4297, 0.4970



14.9338, 0.1737, 0.3497



14.9338, 0.1855, 0.1780



14.9338, 0.4663, 0.2878

Rectangle

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



14.9338, 0.4297, 0.4970



14.9338, 0.2728, 0.5003



14.9338, 0.1855, 0.1780



14.9338, 0.3258, 0.2145

Sweetspot

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



14.9345, 0.4297, 0.4970



29.7309, 0.3578, 0.3978



3.7991, 0.6281, 0.3234



6.7909, 0.3627, 0.4051



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



14.9345, 0.4297, 0.4970



26.6760, 0.4300, 0.4968



13.8902, 0.3487, 0.5613



4.2306, 0.3255, 0.3488



16.4481, 0.4298, 0.4970



79.7044, 0.4304, 0.4965

Inverse Universe

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



1.4366, 0.1518, 0.0663



2.4984, 0.1513, 0.0646



1.9811, 0.1940, 0.0843



3.6218, 0.2995, 0.3084



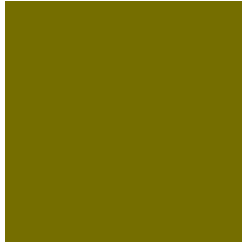
1.5738, 0.1517, 0.0660



7.2356, 0.1508, 0.0627

Previews

White Background



This preview shows how the Yxy color 14.9338, 0.4297, 0.4970 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 14.9338, 0.4297, 0.4970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

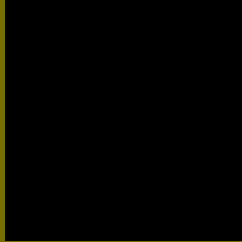
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9338, 0.4297, 0.4970

Background



This preview shows how black text looks on a background with the Yxy color 14.9338, 0.4297, 0.4970.



This preview shows how white text looks on a background with the Yxy color 14.9338, 0.4297, 0.4970.

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

14.9338, 0.4297, 0.4970

Protanopia

14.8627, 0.4402, 0.4887

Deuteranopia

14.7715, 0.4645, 0.4577



Tritanopia

14.9136, 0.3337, 0.3134

Trichromacy



Original Color

14.9338, 0.4297, 0.4970

Protanomaly

14.9303, 0.4357, 0.4923

Deuteranomaly

14.7922, 0.4517, 0.4719

Tritanomaly

14.6103, 0.3844, 0.4000

Monochromacy



Original Color

14.9338, 0.4297, 0.4970

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.3350, 0.3699, 0.4173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9338, 0.4297, 0.4970 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(117, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 110, 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(117, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.9338, 0.4297, 0.4970 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(117, 110, 0) }
```

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

```
.border{ border-color:rgb(117, 110, 0) }
```

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

Here you see how a box with a 4 pixel rgb(117, 110, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 110,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9338, 0.4297, 0.4970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 110, 0) }
```

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

```
.background{ background-color: rgb(117,  
110, 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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