

Converting Colors

$Y_{xy}(14.9510, 0.4476, 0.4828)$

Have a look what the booklet for
 $Y_{xy}(14.9510, 0.4476, 0.4828)$
contains.

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Color

Yxy(14.9510, 0.4476, 0.4828)

Conversions

Conversions Part 1

Format	Color
Hex	7E6B00
RGB	126, 107, 0
RGB Percent	49%, 42%, 0%
CMY	0.5059, 0.5804, 1.0000
CMYK	0.00, 0.15, 1.00, 0.51
HSL	51°, 100%, 25%
HSV	51°, 100%, 49%
XYZ	13.8610, 14.9510, 2.1553
YIQ	100.4830, 45.6710, -29.2490

Conversions

Conversions Part 2

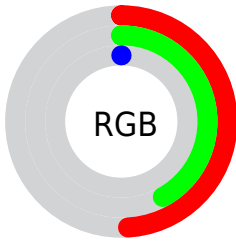
Format	Color
R_{YB}	22, 126, 0
Decimal	8284928
CIE Lab	45.57, -2.19, 52.05
CIE LCh	46, 52.094, 92.414
Yxy	14.9510, 0.4476, 0.4828
Android (android.graphics.Color)	4286475008 (0xFF7E6B00)
YUV	100.4830, -49.5381, 22.3784
Hunter-Lab	38.6665, -3.6788, 23.7617

Details

The Yxy color **14.9510, 0.4476, 0.4828** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.9716, 0.1545, 0.0762**, and the grayscale version is **12.9952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7357, 0.4230, 0.4540**, and **4.6482, 0.4508, 0.4802** is the 20% darker color. If you saturate the color by 10%, you get **14.9515, 0.4476, 0.4828**, and if you desaturate by 10%, it is **15.3800, 0.4402, 0.4791**.

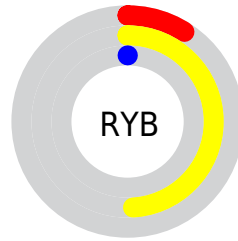
Distribution



Red (49%)

Green (42%)

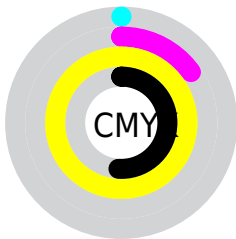
Blue (0%)



Red (9%)

Yellow (49%)

Blue (0%)

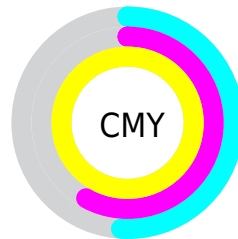


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (51%)



Cyan (51%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9510, 0.4476, 0.4828 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 14.9510, 0.4476, 0.4828 by changing the saturation by 10% instead.


 14.9510, 0.4476,
0.4828


 14.9510, 0.4476,
0.4828


 223.0694, 0.3763,
0.4000


 8.7850, 0.4621,
0.5009


 34.7672, 0.4230,
0.4535


 4.6012, 0.4781,
0.5219

 49.1862, 0.4131,
0.4420


 2.0152, 0.4751,
0.5249

 67.1250, 0.4046,
0.4321

 0.6163, 0.4634,
0.5366


 88.9679, 0.3972,
0.4237


 0.0000, 0.0000,
0.0000


 115.0995, 0.3909,
0.4165


 145.9040, 0.3854,


0.4102


 181.7658, 0.3806,
0.4048


 14.9510, 0.4476,
0.4828


 14.9510, 0.4476,
0.4828


 14.9515, 0.4476,
0.4828

 15.3800, 0.4402,
0.4791

 15.8321, 0.4311,
0.4726

 16.3176, 0.4196,
0.4619

 16.8394, 0.4060,
0.4476

 17.4001, 0.3909,
0.4304

■ 18.0020, 0.3749,
0.4110

■ 18.6472, 0.3587,
0.3906

■ 19.3376, 0.3427,
0.3697

■ 20.0750, 0.3273,
0.3490

Harmonies

Analogous

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



14.9510, 0.5077, 0.4115



14.9510, 0.4476, 0.4828



14.9510, 0.3584, 0.5264

Triad

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



14.9510, 0.4476, 0.4828



14.9510, 0.1473, 0.2670



14.9510, 0.3380, 0.2198

Complementary

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



14.9510, 0.4476, 0.4828



1.9716, 0.1545, 0.0762

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.



14.9510, 0.2392, 0.1864



14.9510, 0.4476, 0.4828



14.9510, 0.1448, 0.2028

Square

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



14.9510, 0.4476, 0.4828



14.9510, 0.1862, 0.3771



14.9510, 0.1746, 0.1793



14.9510, 0.4457, 0.2740

Rectangle

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



14.9510, 0.4476, 0.4828



14.9510, 0.2940, 0.5136



14.9510, 0.1746, 0.1793



14.9510, 0.3021, 0.2060

Sweetspot

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



14.9517, 0.4476, 0.4828



32.7454, 0.3598, 0.3920



4.4893, 0.6092, 0.3130



7.3580, 0.3654, 0.3991



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



14.9517, 0.4476, 0.4828



26.1594, 0.4483, 0.4822



16.8041, 0.3635, 0.5496



4.9125, 0.3259, 0.3472



15.3363, 0.4476, 0.4828



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.9716, 0.1545, 0.0762



3.3295, 0.1538, 0.0735



1.9986, 0.1775, 0.0752



4.3083, 0.2993, 0.3101



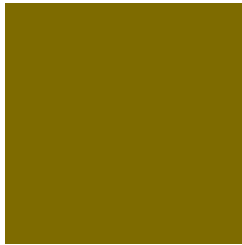
2.0184, 0.1545, 0.0760



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 14.9510, 0.4476, 0.4828 looks on a white background.

Color Contrast Check

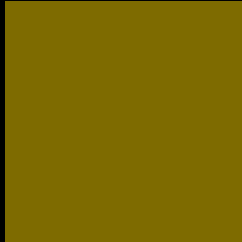
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9510, 0.4476, 0.4828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

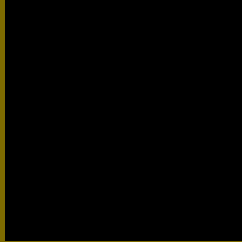
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9510, 0.4476, 0.4828

Background



This preview shows how black text looks on a background with the Yxy color 14.9510, 0.4476, 0.4828.



This preview shows how white text looks on a background with the Yxy color 14.9510, 0.4476, 0.4828.

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

14.9510, 0.4476, 0.4828

Protanopia

14.8715, 0.4388, 0.4866

Deuteranopia

15.0454, 0.4655, 0.4597



Tritanopia

14.8908, 0.3507, 0.3140

Trichromacy



Original Color

14.9510, 0.4476, 0.4828

Protanomaly

14.9427, 0.4406, 0.4860

Deuteranomaly

14.9047, 0.4597, 0.4672

Tritanomaly

14.6659, 0.4035, 0.3945

Monochromacy



Original Color

14.9510, 0.4476, 0.4828

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.3219, 0.3754, 0.4139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9510, 0.4476, 0.4828 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(126, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(126, 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(126, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 107, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.9510, 0.4476, 0.4828 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(126, 107, 0) }
```

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

```
.border{ border-color:rgb(126, 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(126, 107, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(126, 107,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9510, 0.4476, 0.4828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 107, 0) }
```

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

```
.background{ background-color: rgb(126,  
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](#).

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