

Converting Colors

$Y_{xy}(12.6426, 0.4522, 0.4766)$

Have a look what the booklet for
Yxy(12.6426, 0.4522, 0.4766)
contains.

Yxy(12.6639, 0.4516, 0.4769)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.6639, 0.4516, 0.4769)

Conversions

Conversions Part 1

Format	Color
Hex	776203
RGB	119, 98, 3
RGB Percent	47%, 38%, 1%
CMY	0.5333, 0.6157, 0.9882
CMYK	0.00, 0.18, 0.97, 0.53
HSL	49°, 95%, 24%
HSV	49°, 97%, 47%
XYZ	11.9921, 12.6639, 1.8987
YIQ	93.4490, 43.0110, -25.0930

Conversions

Conversions Part 2

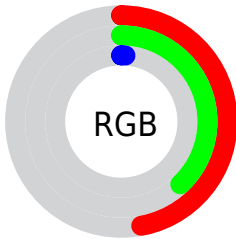
Format	Color
R_{YB}	29, 119, 3
Decimal	7823875
CIE Lab	42.25, -0.31, 48.57
CIE LCh	42, 48.573, 90.366
Yxy	12.6639, 0.4516, 0.4769
Android (android.graphics.Color)	4286013955 (0xFF776203)
YUV	93.4490, -44.5914, 22.4082
Hunter-Lab	35.5864, -2.1244, 21.7471

Details

The Yxy color **12.6639, 0.4516, 0.4769** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.0050, 0.1583, 0.0859**, and the grayscale version is **11.1568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6307, 0.4248, 0.4469**, and **3.6142, 0.4570, 0.4753** is the 20% darker color. If you saturate the color by 10%, you get **12.5562, 0.4538, 0.4779**, and if you desaturate by 10%, it is **13.1008, 0.4428, 0.4730**.

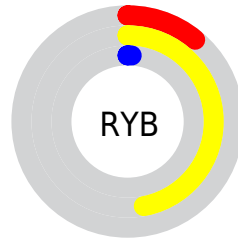
Distribution



Red (47%)

Green (38%)

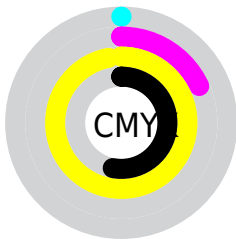
Blue (1%)



Red (11%)

Yellow (47%)

Blue (1%)

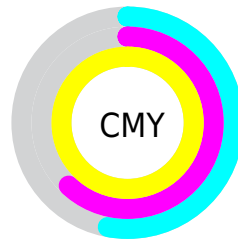


Cyan (0%)

Magenta (18%)

Yellow (97%)

Black (53%)



Cyan (53%)


Magenta (62%)

Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6639, 0.4516, 0.4769 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 12.6639, 0.4516, 0.4769 by changing the saturation by 10% instead.


 12.6639, 0.4516,
0.4769


 12.6639, 0.4516,
0.4769

 208.7523, 0.3755,
0.3956


 7.1975, 0.4697,
0.4964


 30.6986, 0.4244,
0.4478


 3.5859, 0.4859,
0.5141

 44.0358, 0.4137,
0.4364

 1.4447, 0.4854,
0.5146

 60.7653, 0.4047,
0.4267

 0.2494, 0.4792,
0.5208


 81.2716, 0.3970,
0.4185


 0.0000, 0.0000,
0.0000


 105.9390, 0.3904,
0.4115


 135.1520, 0.3847,

0.4055

 169.2950, 0.3798,
0.4002


 12.6639, 0.4516,
0.4769


 12.6639, 0.4516,
0.4769


 12.5562, 0.4538,
0.4779

 13.1008, 0.4428,
0.4730

 13.5644, 0.4320,
0.4656

 14.0613, 0.4189,
0.4543

 14.5940, 0.4040,
0.4395

 15.1647, 0.3879,
0.4221

■ 15.7754, 0.3713,
0.4030

■ 16.4278, 0.3548,
0.3831

■ 17.1236, 0.3387,
0.3630

■ 17.8644, 0.3235,
0.3433

Harmonies

Analogous

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



12.6639, 0.5077, 0.4061



12.6639, 0.4516, 0.4769



12.6639, 0.3648, 0.5226

Triad

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



12.6639, 0.4516, 0.4769



12.6639, 0.1506, 0.2741



12.6639, 0.3303, 0.2180

Complementary

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



12.6639, 0.4516, 0.4769



2.0050, 0.1583, 0.0859

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.



12.6639, 0.2347, 0.1867



12.6639, 0.4516, 0.4769



12.6639, 0.1458, 0.2073

Square

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



12.6639, 0.4516, 0.4769



12.6639, 0.1920, 0.3850



12.6639, 0.1731, 0.1815



12.6639, 0.4373, 0.2707

Rectangle

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



12.6639, 0.4516, 0.4769



12.6639, 0.3011, 0.5139



12.6639, 0.1731, 0.1815



12.6639, 0.2954, 0.2049

Sweetspot

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



12.6645, 0.4516, 0.4769



29.1455, 0.3585, 0.3877



4.0545, 0.5955, 0.3092



6.8099, 0.3643, 0.3946



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



12.6645, 0.4516, 0.4769



22.3028, 0.4548, 0.4771



15.0065, 0.3669, 0.5442



4.1590, 0.3258, 0.3463



13.3275, 0.4539, 0.4778



63.8053, 0.4561, 0.4760

Inverse Universe

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



2.0050, 0.1583, 0.0859



3.2232, 0.1551, 0.0783



1.8433, 0.1787, 0.0779



3.6873, 0.2995, 0.3111



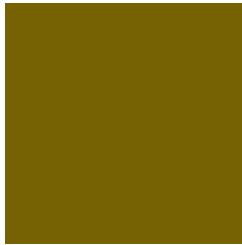
1.9950, 0.1559, 0.0813



8.7911, 0.1540, 0.0745

Previews

White Background



This preview shows how the Yxy color 12.6639, 0.4516, 0.4769 looks on a white background.

Color Contrast Check

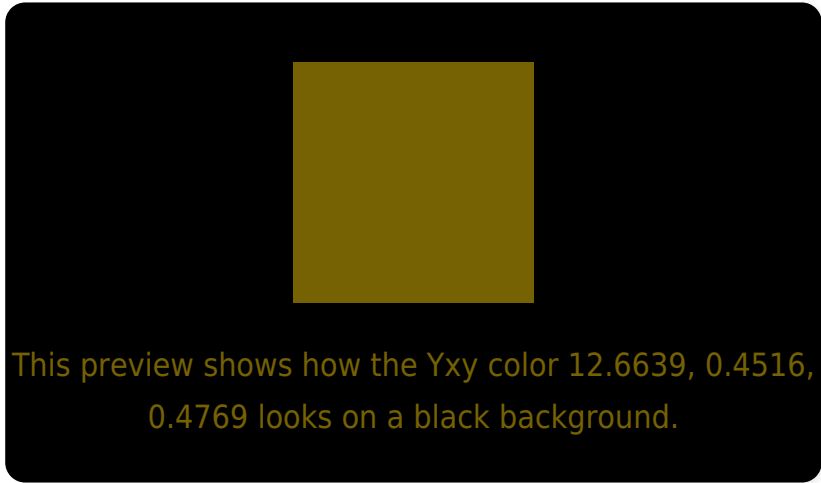
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

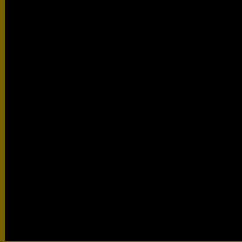
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6639, 0.4516, 0.4769

Background



This preview shows how black text looks on a background with the Yxy color 12.6639, 0.4516, 0.4769.



This preview shows how white text looks on a background with the Yxy color 12.6639, 0.4516, 0.4769.

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

12.6639, 0.4516, 0.4769

Protanopia

12.6360, 0.4380, 0.4858

Deuteranopia

12.6420, 0.4646, 0.4606



Tritanopia

12.6491, 0.3551, 0.3150

Trichromacy



Original Color

12.6639, 0.4516, 0.4769

Protanomaly

12.5773, 0.4433, 0.4825

Deuteranomaly

12.5920, 0.4596, 0.4671

Tritanomaly

12.5019, 0.4057, 0.3924

Monochromacy



Original Color

12.6639, 0.4516, 0.4769

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.3354, 0.3758, 0.4101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6639, 0.4516, 0.4769 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(119, 98, 3)` looks like.

```
.text, #text, p{  
    color:rgb(119, 98, 3)  
}
```

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(119, 98, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 98, 3) }
```

Border

The CSS property to change the border of an element to Yxy 12.6639, 0.4516, 0.4769 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(119, 98, 3) }
```

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

```
.border{ border-color:rgb(119, 98, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 98, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 98, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 98, 3);  
box-shadow:4px 4px 4px 4px rgb(119, 98, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6639, 0.4516, 0.4769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 98, 3) }
```

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

```
.background{ background-color: rgb(119, 98,  
3) }
```

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