

Converting Colors

$Y_{xy}(12.8664, 0.4472, 0.4831)$

Have a look what the booklet for
Yxy(12.8664, 0.4472, 0.4831)
contains.

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Color

Yxy(12.8963, 0.4462, 0.4839)

Conversions

Conversions Part 1

Format	Color
Hex	756400
RGB	117, 100, 0
RGB Percent	46%, 39%, 0%
CMY	0.5412, 0.6078, 0.9999
CMYK	0.00, 0.15, 1.00, 0.54
HSL	51°, 100%, 23%
HSV	51°, 100%, 46%
XYZ	11.8916, 12.8963, 1.8629
YIQ	93.6830, 42.2320, -27.4960

Conversions

Conversions Part 2

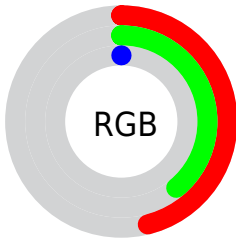
Format	Color
RYB	20, 117, 0
Decimal	7693312
CIELab	42.61, -2.54, 49.51
CIELCh	43, 49.576, 92.936
Yxy	12.8963, 0.4462, 0.4839
Android (android.graphics.Color)	4285883392 (0xFF756400)
YUV	93.6830, -46.1857, 20.4490
Hunter-Lab	35.9114, -3.7372, 22.0624

Details

The Yxy color **12.8963, 0.4462, 0.4839** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.6847, 0.1546, 0.0764**, and the grayscale version is **11.2187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0127, 0.4221, 0.4525**, and **3.7283, 0.4459, 0.4842** is the 20% darker color. If you saturate the color by 10%, you get **12.8963, 0.4462, 0.4839**, and if you desaturate by 10%, it is **13.2518, 0.4387, 0.4796**.

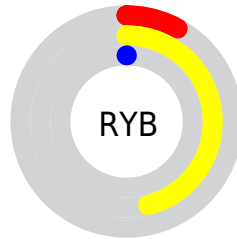
Distribution



Red (46%)

Green (39%)

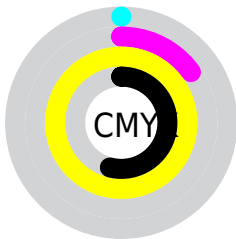
Blue (0%)



Red (8%)

Yellow (46%)

Blue (0%)

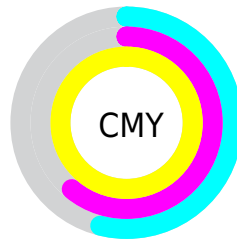


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (54%)



Cyan (54%)


Magenta (61%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8963, 0.4462, 0.4839 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 12.8963, 0.4462, 0.4839 by changing the saturation by 10% instead.


 12.8963, 0.4462,
0.4839


 12.8963, 0.4462,
0.4839

 210.2520, 0.3740,
0.3983


 7.3572, 0.4628,
0.5050


 31.1174, 0.4209,
0.4530


 3.6865, 0.4758,
0.5242

 44.5681, 0.4108,
0.4409


 1.4998, 0.4717,
0.5283

 61.4248, 0.4022,
0.4308

 0.2886, 0.4238,
0.5762


 82.0719, 0.3948,
0.4222


 0.0000, 0.0000,
0.0000


 106.8938, 0.3885,
0.4149

 136.2748, 0.3830,

0.4086

 170.5994, 0.3782,
0.4031


 12.8963, 0.4462,
0.4839

 13.2518, 0.4387,
0.4796

 13.6254, 0.4297,
0.4728

 14.0266, 0.4183,
0.4619

 14.4580, 0.4048,
0.4475

 14.9216, 0.3899,
0.4302

■ 15.4193, 0.3742,
0.4109

■ 15.9529, 0.3582,
0.3904

■ 16.5239, 0.3424,
0.3696

■ 17.1338, 0.3271,
0.3489

Harmonies

Analogous

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



12.8963, 0.5070, 0.4127



12.8963, 0.4462, 0.4839



12.8963, 0.3568, 0.5266

Triad

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



12.8963, 0.4462, 0.4839



12.8963, 0.1470, 0.2654



12.8963, 0.3399, 0.2206

Complementary

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



12.8963, 0.4462, 0.4839



1.6847, 0.1546, 0.0764

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.



12.8963, 0.2407, 0.1868



12.8963, 0.4462, 0.4839



12.8963, 0.1451, 0.2021

Square

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



12.8963, 0.4462, 0.4839



12.8963, 0.1852, 0.3750



12.8963, 0.1755, 0.1792



12.8963, 0.4473, 0.2751

Rectangle

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



12.8963, 0.4462, 0.4839



12.8963, 0.2923, 0.5127



12.8963, 0.1755, 0.1792



12.8963, 0.3039, 0.2067

Sweetspot

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



12.8969, 0.4462, 0.4839



28.4986, 0.3594, 0.3921



3.8233, 0.6117, 0.3144



6.4786, 0.3647, 0.3989



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.



12.8969, 0.4462, 0.4839



22.9511, 0.4470, 0.4833



14.2566, 0.3613, 0.5513



4.1801, 0.3257, 0.3470



14.1967, 0.4463, 0.4838



68.2162, 0.4480, 0.4825

Inverse Universe

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



1.6847, 0.1546, 0.0764



2.8814, 0.1537, 0.0733



1.7549, 0.1806, 0.0769



3.6678, 0.2995, 0.3103



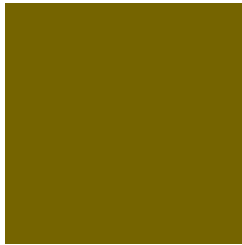
1.8400, 0.1544, 0.0757



8.1735, 0.1527, 0.0698

Previews

White Background



This preview shows how the Yxy color 12.8963, 0.4462, 0.4839 looks on a white background.

Color Contrast Check

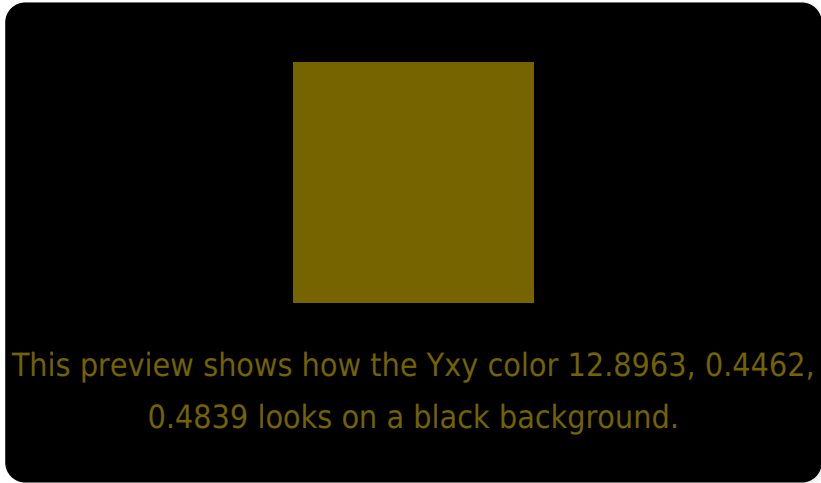
Large Text (above 18pt) WCAG AA ✓ Pass

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

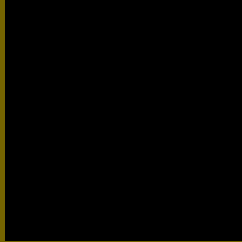
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8963, 0.4462, 0.4839

Background



This preview shows how black text looks on a background with the Yxy color 12.8963, 0.4462, 0.4839.



This preview shows how white text looks on a background with the Yxy color 12.8963, 0.4462, 0.4839.

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

12.8963, 0.4462, 0.4839

Protanopia

12.8913, 0.4387, 0.4871

Deuteranopia

12.9019, 0.4638, 0.4605



Tritanopia

12.9598, 0.3496, 0.3150

Trichromacy



Original Color

12.8963, 0.4462, 0.4839

Protanomaly

12.9566, 0.4406, 0.4865

Deuteranomaly

12.7757, 0.4578, 0.4686

Tritanomaly

12.8009, 0.4007, 0.3947

Monochromacy



Original Color

12.8963, 0.4462, 0.4839

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.5168, 0.3750, 0.4122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8963, 0.4462, 0.4839 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, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 100, 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, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 100, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.8963, 0.4462, 0.4839 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, 100, 0) }
```

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

```
.border{ border-color:rgb(117, 100, 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, 100, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 100,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8963, 0.4462, 0.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 100, 0) }
```

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

```
.background{ background-color: rgb(117,  
100, 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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