

Converting Colors

$Y_{xy}(12.4152, 0.4755, 0.5245)$

Have a look what the booklet for
Yxy(12.4152, 0.4755, 0.5245)
contains.

Yxy(12.6367, 0.4465, 0.4837)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.6367, 0.4465, 0.4837)

Conversions

Conversions Part 1

Format	Color
Hex	746300
RGB	116, 99, 0
RGB Percent	45%, 39%, 0%
CMY	0.5451, 0.6118, 1.0000
CMYK	0.00, 0.15, 1.00, 0.55
HSL	51°, 100%, 23%
HSV	51°, 100%, 45%
XYZ	11.6648, 12.6367, 1.8235
YIQ	92.7970, 41.9110, -27.1850

Conversions

Conversions Part 2

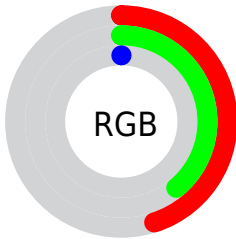
Format	Color
R_YB	20, 116, 0
Decimal	7627520
CIE _{Lab}	42.21, -2.43, 49.19
CIE _{LCh}	42, 49.253, 92.831
Yxy	12.6367, 0.4465, 0.4837
Android (android.graphics.Color)	4285817600 (0xFF746300)
YUV	92.7970, -45.7489, 20.3490
Hunter-Lab	35.5481, -3.6358, 21.8423

Details

The Yxy color **12.6367, 0.4465, 0.4837** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.6622, 0.1546, 0.0767**, and the grayscale version is **10.9984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5813, 0.4219, 0.4519**, and **3.6030, 0.4463, 0.4839** is the 20% darker color. If you saturate the color by 10%, you get **12.6374, 0.4465, 0.4837**, and if you desaturate by 10%, it is **12.9886, 0.4389, 0.4794**.

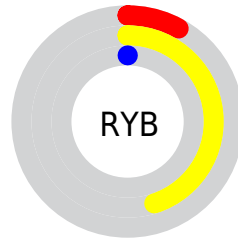
Distribution



Red (45%)

Green (39%)

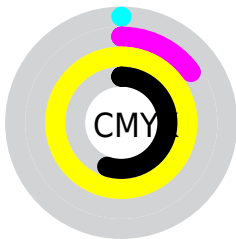
Blue (0%)



Red (8%)

Yellow (45%)

Blue (0%)

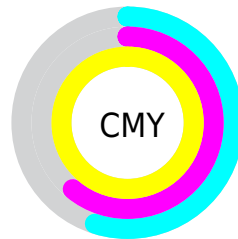


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (55%)



Cyan (55%)


Magenta (61%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6367, 0.4465, 0.4837 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 12.6367, 0.4465, 0.4837 by changing the saturation by 10% instead.


 12.6367, 0.4465,
0.4837


 12.6367, 0.4465,
0.4837


 208.5760, 0.3739,
0.3979


 7.1789, 0.4636,
0.5052


 30.6495, 0.4210,
0.4527


 3.5742, 0.4762,
0.5238

 43.9733, 0.4108,
0.4406


 1.4384, 0.4722,
0.5278

 60.6879, 0.4021,
0.4305

 0.2447, 0.4145,
0.5855


 81.1776, 0.3947,
0.4219

 0.0000, 0.0000,
0.0000

 105.8269, 0.3884,
0.4145

 135.0201, 0.3829,


0.4082


 169.1417, 0.3781,
0.4027


 12.6367, 0.4465,
0.4837


 12.6367, 0.4465,
0.4837

 12.6374, 0.4465,
0.4837

 12.9886, 0.4389,
0.4794

 13.3581, 0.4298,
0.4725

 13.7549, 0.4184,
0.4617

 14.1814, 0.4049,
0.4473

 14.6397, 0.3900,
0.4300

■ 15.1316, 0.3742,
0.4107

■ 15.6587, 0.3582,
0.3903

■ 16.2227, 0.3424,
0.3695

■ 16.8249, 0.3271,
0.3489

Harmonies

Analogous

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



12.6367, 0.5072, 0.4125



12.6367, 0.4465, 0.4837



12.6367, 0.3571, 0.5266

Triad

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



12.6367, 0.4465, 0.4837



12.6367, 0.1471, 0.2657



12.6367, 0.3395, 0.2204

Complementary

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



12.6367, 0.4465, 0.4837



1.6622, 0.1546, 0.0767

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.



12.6367, 0.2404, 0.1867



12.6367, 0.4465, 0.4837



12.6367, 0.1450, 0.2022

Square

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



12.6367, 0.4465, 0.4837



12.6367, 0.1854, 0.3754



12.6367, 0.1753, 0.1792



12.6367, 0.4470, 0.2749

Rectangle

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



12.6367, 0.4465, 0.4837



12.6367, 0.2927, 0.5129



12.6367, 0.1753, 0.1792



12.6367, 0.3035, 0.2065

Sweetspot

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



12.6374, 0.4465, 0.4837



27.4494, 0.3594, 0.3919



3.7552, 0.6115, 0.3143



6.4733, 0.3648, 0.3988



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.



12.6374, 0.4465, 0.4837



22.0687, 0.4472, 0.4831



14.0044, 0.3614, 0.5513



4.1792, 0.3257, 0.3470



14.1599, 0.4467, 0.4836



68.0290, 0.4483, 0.4822

Inverse Universe

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



1.6622, 0.1546, 0.0767



2.7924, 0.1538, 0.0737



1.7244, 0.1807, 0.0769



3.6686, 0.2995, 0.3104



1.8458, 0.1544, 0.0760



8.1962, 0.1528, 0.0700

Previews

White Background



This preview shows how the Yxy color 12.6367, 0.4465, 0.4837 looks on a white background.

Color Contrast Check

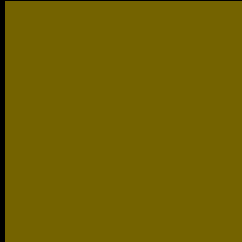
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6367, 0.4465, 0.4837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

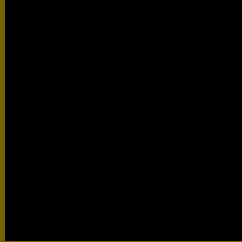
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6367, 0.4465, 0.4837

Background



This preview shows how black text looks on a background with the Yxy color 12.6367, 0.4465, 0.4837.



This preview shows how white text looks on a background with the Yxy color 12.6367, 0.4465, 0.4837.

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

12.6367, 0.4465, 0.4837

Protanopia

12.6316, 0.4389, 0.4870

Deuteranopia

12.6442, 0.4641, 0.4600



Tritanopia

12.6201, 0.3483, 0.3148

Trichromacy



Original Color

12.6367, 0.4465, 0.4837

Protanomaly

12.6961, 0.4408, 0.4863

Deuteranomaly

12.5187, 0.4581, 0.4682

Tritanomaly

12.4652, 0.3998, 0.3956

Monochromacy



Original Color

12.6367, 0.4465, 0.4837

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.2669, 0.3756, 0.4129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6367, 0.4465, 0.4837 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(116, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 99, 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(116, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 99, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.6367, 0.4465, 0.4837 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(116, 99, 0) }
```

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

```
.border{ border-color:rgb(116, 99, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 99, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 99, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6367, 0.4465, 0.4837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 99, 0) }
```

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

```
.background{ background-color: rgb(116, 99,  
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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