

Converting Colors

$Y_{xy}(12.3877, 0.4405, 0.4884)$

Have a look what the booklet for
Yxy(12.3877, 0.4405, 0.4884)
contains.

Yxy(12.3684, 0.4403, 0.4886)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.3684, 0.4403, 0.4886)

Conversions

Conversions Part 1

Format	Color
Hex	706300
RGB	112, 99, 0
RGB Percent	44%, 39%, 0%
CMY	0.5607, 0.6118, 1.0000
CMYK	0.00, 0.12, 1.00, 0.56
HSL	53°, 100%, 22%
HSV	53°, 100%, 44%
XYZ	11.1457, 12.3684, 1.7998
YIQ	91.6010, 39.5270, -28.0330

Conversions

Conversions Part 2

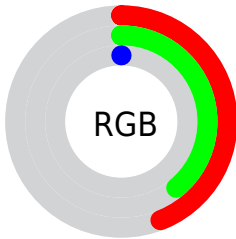
Format	Color
R_YB	15, 112, 0
Decimal	7365376
CIE Lab	41.80, -4.39, 48.70
CIE LCh	42, 48.898, 95.146
Yxy	12.3684, 0.4403, 0.4886
Android (android.graphics.Color)	4285555456 (0xFF706300)
YUV	91.6010, -45.1593, 17.8899
Hunter-Lab	35.1687, -4.9748, 21.5838

Details

The Yxy color **12.3684, 0.4403, 0.4886** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.4588, 0.1536, 0.0730**, and the grayscale version is **10.7057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0261, 0.4164, 0.4550**, and **3.5069, 0.4384, 0.4901** is the 20% darker color. If you saturate the color by 10%, you get **12.3689, 0.4403, 0.4886**, and if you desaturate by 10%, it is **12.6424, 0.4335, 0.4836**.

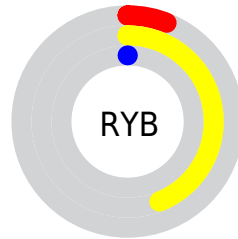
Distribution



Red (44%)

Green (39%)

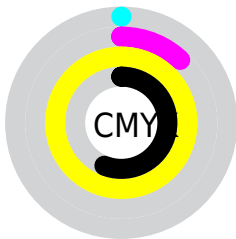
Blue (0%)



Red (6%)

Yellow (44%)

Blue (0%)

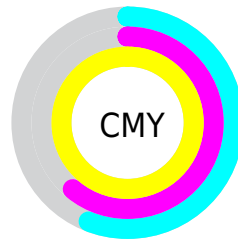


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (56%)



Cyan (56%)


Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3684, 0.4403, 0.4886 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 12.3684, 0.4403, 0.4886 by changing the saturation by 10% instead.


 12.3684, 0.4403,
0.4886


 12.3684, 0.4403,
0.4886


 206.8292, 0.3713,
0.3988


 6.9951, 0.4564,
0.5122


 30.1643, 0.4162,
0.4556


 3.4590, 0.4669,
0.5331

 43.3557, 0.4065,
0.4430


 1.3758, 0.4594,
0.5406

 59.9219, 0.3983,
0.4324

 0.1988, 0.2917,
0.7083


 80.2474, 0.3912,
0.4235

 0.0000, 0.0000,
0.0000

 104.7164, 0.3851,
0.4159


 133.7135, 0.3799,


0.4094

 167.6229, 0.3753,
0.4038


 12.3684, 0.4403,
0.4886


 12.3684, 0.4403,
0.4886


 12.3689, 0.4403,
0.4886

 12.6424, 0.4335,
0.4836

 12.9300, 0.4254,
0.4764

 13.2405, 0.4148,
0.4651

 13.5760, 0.4022,
0.4503

 13.9385, 0.3881,
0.4327

■ 14.3296, 0.3730,
0.4130

■ 14.7509, 0.3575,
0.3921

■ 15.2036, 0.3420,
0.3707

■ 15.6892, 0.3270,
0.3495

Harmonies

Analogous

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



12.3684, 0.5041, 0.4181



12.3684, 0.4403, 0.4886



12.3684, 0.3497, 0.5271

Triad

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



12.3684, 0.4403, 0.4886



12.3684, 0.1457, 0.2591



12.3684, 0.3481, 0.2240

Complementary

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



12.3684, 0.4403, 0.4886



1.4588, 0.1536, 0.0730

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.



12.3684, 0.2470, 0.1885



12.3684, 0.4403, 0.4886



12.3684, 0.1462, 0.1992

Square

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



12.3684, 0.4403, 0.4886



12.3684, 0.1810, 0.3658



12.3684, 0.1790, 0.1788



12.3684, 0.4542, 0.2797

Rectangle

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



12.3684, 0.4403, 0.4886



12.3684, 0.2853, 0.5084



12.3684, 0.1790, 0.1788



12.3684, 0.3117, 0.2095

Sweetspot

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



12.3690, 0.4403, 0.4886



25.8442, 0.3587, 0.3937



3.4753, 0.6182, 0.3179



6.1498, 0.3638, 0.4006



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.3690, 0.4403, 0.4886



21.6082, 0.4409, 0.4881



12.8606, 0.3564, 0.5552



3.8533, 0.3255, 0.3474



14.2733, 0.4405, 0.4885



70.2894, 0.4418, 0.4874

Inverse Universe

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



1.4588, 0.1536, 0.0730



2.4529, 0.1529, 0.0703



1.6827, 0.1862, 0.0799



3.3572, 0.2996, 0.3099



1.6647, 0.1534, 0.0722



7.6038, 0.1519, 0.0669

Previews

White Background



This preview shows how the Yxy color 12.3684, 0.4403, 0.4886 looks on a white background.

Color Contrast Check

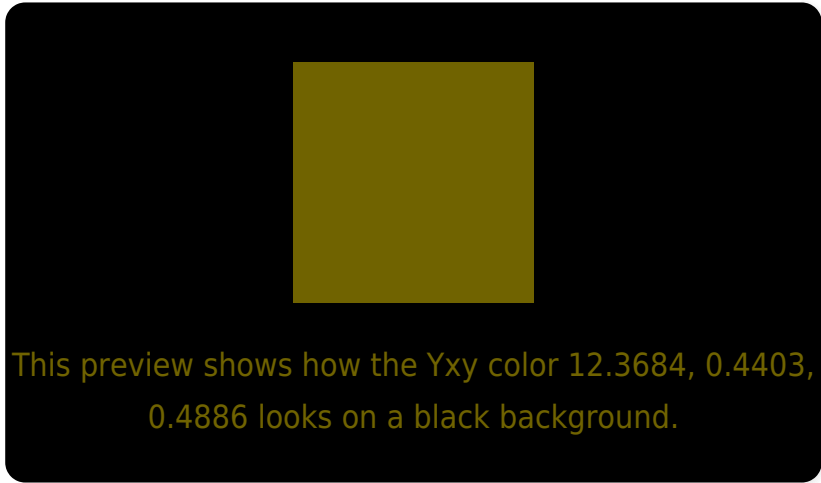
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3684, 0.4403, 0.4886

Background



This preview shows how black text looks on a background with the Yxy color 12.3684, 0.4403, 0.4886.



This preview shows how white text looks on a background with the Yxy color 12.3684, 0.4403, 0.4886.

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

12.3684, 0.4403, 0.4886

Protanopia

12.3706, 0.4398, 0.4880

Deuteranopia

12.3919, 0.4640, 0.4590



Tritanopia

12.4067, 0.3436, 0.3146

Trichromacy



Original Color

12.3684, 0.4403, 0.4886

Protanomaly

12.3706, 0.4398, 0.4880

Deuteranomaly

12.3763, 0.4546, 0.4699

Tritanomaly

12.2563, 0.3949, 0.3970

Monochromacy



Original Color

12.3684, 0.4403, 0.4886

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.1528, 0.3722, 0.4140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3684, 0.4403, 0.4886 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(112, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 99, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.3684, 0.4403, 0.4886 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(112, 99, 0) }
```

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

```
.border{ border-color:rgb(112, 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(112, 99, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 99, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.3684, 0.4403, 0.4886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 99, 0) }
```

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

```
.background{ background-color: rgb(112, 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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