

Converting Colors

$Y_{xy}(12.9439, 0.3946, 0.4309)$

Have a look what the booklet for
Yxy(12.9439, 0.3946, 0.4309)
contains.

Yxy(12.9439, 0.3946, 0.4309)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.9439, 0.3946, 0.4309)

Conversions

Conversions Part 1

Format	Color
Hex	6F6535
RGB	111, 101, 53
RGB Percent	44%, 40%, 21%
CMY	0.5646, 0.6039, 0.7922
CMYK	0.00, 0.09, 0.52, 0.56
HSL	50°, 35%, 32%
HSV	50°, 52%, 44%
XYZ	11.8535, 12.9439, 5.2418
YIQ	98.5180, 21.3680, -12.8080

Conversions

Conversions Part 2

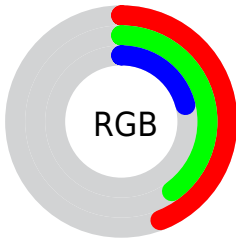
Format	Color
R_{YB}	65, 111, 53
Decimal	7300405
CIE _{Lab}	42.68, -3.12, 28.41
CIE _{LCh}	43, 28.584, 96.261
Yxy	12.9439, 0.3946, 0.4309
Android (android.graphics.Color)	4285490485 (0xFF6F6535)
YUV	98.5180, -22.4404, 10.9467
Hunter-Lab	35.9776, -4.1508, 16.5459

Details

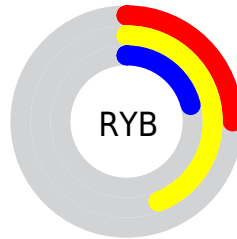
The Yxy color **12.9439, 0.3946, 0.4309** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.4624, 0.2236, 0.1997**, and the grayscale version is **12.4041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2886, 0.3751, 0.4063**, and **3.7398, 0.4259, 0.4785** is the 20% darker color. If you saturate the color by 10%, you get **12.4859, 0.4099, 0.4472**, and if you desaturate by 10%, it is **13.4355, 0.3785, 0.4125**.

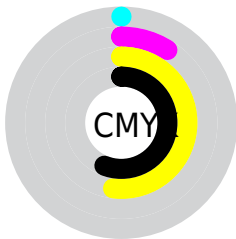
Distribution



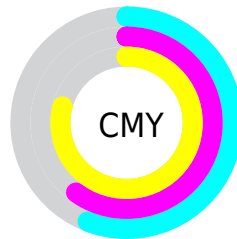
- Red (44%)
- Green (40%)
- Blue (21%)



- Red (25%)
- Yellow (44%)
- Blue (21%)



- Cyan (0%)
- Magenta (9%)
- Yellow (52%)
- Black (56%)





- Cyan (56%)
- Magenta (60%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9439, 0.3946, 0.4309 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 12.9439, 0.3946, 0.4309 by changing the saturation by 10% instead.


 12.9439, 0.3946,
0.4309


 12.9439, 0.3946,
0.4309


 210.5578, 0.3466,
0.3701


 7.3899, 0.4086,
0.4497


 31.2030, 0.3754,
0.4061


 3.7071, 0.4277,
0.4763

 44.6768, 0.3687,
0.3976


 1.5111, 0.4682,
0.5318

 61.5595, 0.3633,
0.3908

 0.2965, 0.4096,
0.5904

 82.2353, 0.3588,
0.3851

 0.0000, 0.0000,
0.0000

 107.0886, 0.3550,
0.3804

 136.5039, 0.3518,

0.3765

170.8655, 0.3491,
0.3730

■ 12.9439, 0.3946,
0.4309

■ 12.9439, 0.3946,
0.4309

■ 12.4859, 0.4099,
0.4472

■ 13.4355, 0.3785,
0.4125

■ 12.0579, 0.4238,
0.4607

■ 13.9604, 0.3621,
0.3928

■ 11.6587, 0.4356,
0.4704

■ 14.5207, 0.3460,
0.3727

■ 11.2858, 0.4450,
0.4761

■ 15.1177, 0.3305,
0.3527

■ 11.0077, 0.4518,
0.4795

■ 15.7527, 0.3159,
0.3333

■ 16.4267, 0.3023,
0.3148

■ 17.1410, 0.2897,
0.2974

■ 17.8967, 0.2783,
0.2812

■ 18.6947, 0.2679,
0.2662

Harmonies

Analogous

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



12.9439, 0.4293, 0.3953



12.9439, 0.3946, 0.4309



12.9439, 0.3397, 0.4398

Triad

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



12.9439, 0.3946, 0.4309



12.9439, 0.2072, 0.2903



12.9439, 0.3377, 0.2645

Complementary

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



12.9439, 0.3946, 0.4309



5.4624, 0.2236, 0.1997

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.



12.9439, 0.2768, 0.2398



12.9439, 0.3946, 0.4309



12.9439, 0.2068, 0.2502

Square

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



12.9439, 0.3946, 0.4309



12.9439, 0.2327, 0.3500



12.9439, 0.2307, 0.2340



12.9439, 0.3965, 0.3031

Rectangle

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



12.9439, 0.3946, 0.4309



12.9439, 0.2996, 0.4238



12.9439, 0.2307, 0.2340



12.9439, 0.3166, 0.2544

Sweetspot

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



12.9445, 0.3946, 0.4309



26.6073, 0.3369, 0.3610



6.2930, 0.4248, 0.3056



6.3524, 0.3393, 0.3641



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.



12.9445, 0.3946, 0.4309



22.1575, 0.4135, 0.4508



13.9385, 0.3574, 0.4610



3.8230, 0.3257, 0.3463



12.9345, 0.4521, 0.4792



63.3229, 0.4542, 0.4776

Inverse Universe

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



5.4624, 0.2236, 0.1997



7.1632, 0.2011, 0.1635



5.0482, 0.2463, 0.1837



3.3851, 0.2996, 0.3111



1.8778, 0.1556, 0.0802



8.4446, 0.1537, 0.0734

Previews

White Background



This preview shows how the Yxy color 12.9439, 0.3946, 0.4309 looks on a white background.

Color Contrast Check

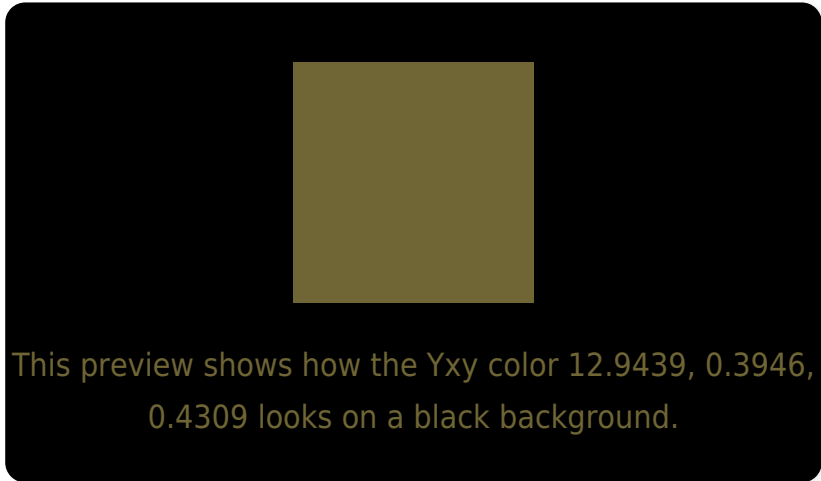
Large Text (above 18pt) WCAG AA ✓ Pass

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

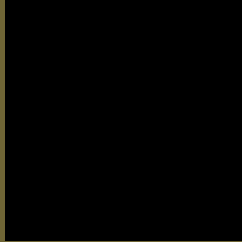
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9439, 0.3946, 0.4309

Background



This preview shows how black text looks on a background with the Yxy color 12.9439, 0.3946, 0.4309.



This preview shows how white text looks on a background with the Yxy color 12.9439, 0.3946, 0.4309.

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

12.9439, 0.3946, 0.4309

Protanopia

12.9439, 0.3946, 0.4309

Deuteranopia

12.8430, 0.4180, 0.4124



Tritanopia

12.8767, 0.3335, 0.3124

Trichromacy



Original Color

12.9439, 0.3946, 0.4309

Protanomaly

12.9439, 0.3946, 0.4309

Deuteranomaly

12.9236, 0.4093, 0.4185

Tritanomaly

12.7827, 0.3568, 0.3549

Monochromacy



Original Color

12.9439, 0.3946, 0.4309

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.6071, 0.3425, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9439, 0.3946, 0.4309 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(111, 101, 53)` looks like.

```
.text, #text, p{  
    color:rgb(111, 101, 53)  
}
```

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(111, 101, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 101, 53) }
```

Border

The CSS property to change the border of an element to Yxy 12.9439, 0.3946, 0.4309 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(111, 101, 53) }
```

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

```
.border{ border-color:rgb(111, 101, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 101, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 101, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 101, 53);  
box-shadow:4px 4px 4px 4px rgb(111, 101,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9439, 0.3946, 0.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 101, 53) }
```

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

```
.background{ background-color: rgb(111,  
101, 53) }
```

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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