

Converting Colors

$Y_{xy}(13.9643, 0.4068, 0.4650)$

Have a look what the booklet for
Yxy(13.9643, 0.4068, 0.4650)
contains.

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Color

Yxy(13.8928, 0.4069, 0.4638)

Conversions

Conversions Part 1

Format	Color
Hex	706A26
RGB	112, 106, 38
RGB Percent	44%, 42%, 15%
CMY	0.5607, 0.5843, 0.8510
CMYK	0.00, 0.05, 0.66, 0.56
HSL	55°, 49%, 29%
HSV	55°, 66%, 44%
XYZ	12.1884, 13.8928, 3.8731
YIQ	100.0420, 25.4040, -19.8760

Conversions

Conversions Part 2

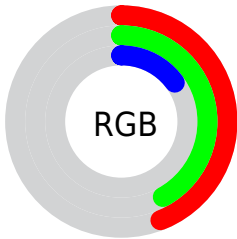
Format	Color
R_{YB}	45, 112, 38
Decimal	7367206
CIE Lab	44.08, -6.82, 37.81
CIE LCh	44, 38.419, 100.228
Yxy	13.8928, 0.4069, 0.4638
Android (android.graphics.Color)	4285557286 (0xFF706A26)
YUV	100.0420, -30.5867, 10.4872
Hunter-Lab	37.2730, -6.8578, 19.9302

Details

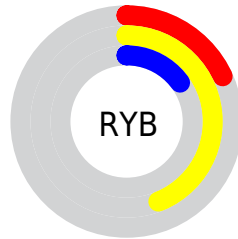
The Yxy color **13.8928, 0.4069, 0.4638** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.3864, 0.1948, 0.1425**, and the grayscale version is **12.8312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9091, 0.3870, 0.4317**, and **4.1521, 0.4269, 0.4992** is the 20% darker color. If you saturate the color by 10%, you get **13.6446, 0.4173, 0.4768**, and if you desaturate by 10%, it is **14.1661, 0.3945, 0.4474**.

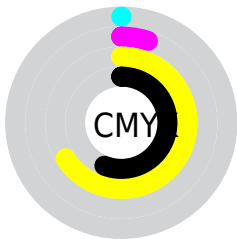
Distribution



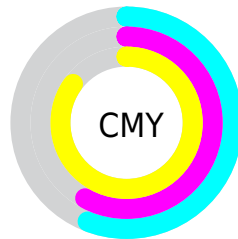
- Red (44%)
- Green (42%)
- Blue (15%)



- Red (18%)
- Yellow (44%)
- Blue (15%)



- Cyan (0%)
- Magenta (5%)
- Yellow (66%)
- Black (56%)





- Cyan (56%)
- Magenta (58%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8928, 0.4069, 0.4638 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 13.8928, 0.4069, 0.4638 by changing the saturation by 10% instead.


 13.8928, 0.4069,
0.4638


 13.8928, 0.4069,
0.4638


216.5629, 0.3543,
0.3848


 8.0461, 0.4197,
0.4862


 32.8987, 0.3872,
0.4325


 4.1245, 0.4421,
0.5249

 46.8267, 0.3798,
0.4215


 1.7434, 0.4470,
0.5530

 64.2173, 0.3737,
0.4124

 0.4515, 0.3678,
0.6322

 85.4549, 0.3686,
0.4050

 0.0000, 0.0000,
0.0000

 110.9239, 0.3642,
0.3987

 141.0086, 0.3604,

0.3934

176.0935, 0.3572,
0.3888

13.8928, 0.4069,
0.4638

13.8928, 0.4069,
0.4638

13.6446, 0.4173,
0.4768

14.1661, 0.3945,
0.4474

13.4175, 0.4254,
0.4860

14.4642, 0.3807,
0.4284

13.2079, 0.4314,
0.4918

14.7896, 0.3660,
0.4075

13.1269, 0.4336,
0.4939

15.1435, 0.3509,
0.3857

15.5275, 0.3359,
0.3636

■ 15.9426, 0.3213,
0.3419

■ 16.3902, 0.3074,
0.3209

■ 16.8713, 0.2943,
0.3010

■ 17.3870, 0.2822,
0.2824

Harmonies

Analogous

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



13.8928, 0.4585, 0.4165



13.8928, 0.4069, 0.4638



13.8928, 0.3340, 0.4754

Triad

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



13.8928, 0.4069, 0.4638



13.8928, 0.1774, 0.2676



13.8928, 0.3553, 0.2526

Complementary

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



13.8928, 0.4069, 0.4638



3.3864, 0.1948, 0.1425

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.



13.8928, 0.2748, 0.2197



13.8928, 0.4069, 0.4638



13.8928, 0.1815, 0.2228

Square

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



13.8928, 0.4069, 0.4638



13.8928, 0.2034, 0.3436



13.8928, 0.2142, 0.2085



13.8928, 0.4311, 0.3014

Rectangle

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



13.8928, 0.4069, 0.4638



13.8928, 0.2832, 0.4505



13.8928, 0.2142, 0.2085



13.8928, 0.3274, 0.2395

Sweetspot

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



13.8935, 0.4069, 0.4638



26.9586, 0.3425, 0.3734



5.0160, 0.4957, 0.3173



6.4416, 0.3458, 0.3782



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.



13.8935, 0.4069, 0.4638



23.7554, 0.4216, 0.4819



13.4912, 0.3542, 0.5000



3.8720, 0.3255, 0.3482



15.1531, 0.4337, 0.4938



74.8864, 0.4346, 0.4931

Inverse Universe

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



3.3864, 0.1948, 0.1425



3.8484, 0.1713, 0.1023



3.8165, 0.2365, 0.1489



3.3402, 0.2996, 0.3091



1.5644, 0.1523, 0.0683



7.2426, 0.1511, 0.0640

Previews

White Background



This preview shows how the Yxy color 13.8928, 0.4069, 0.4638 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 13.8928, 0.4069, 0.4638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

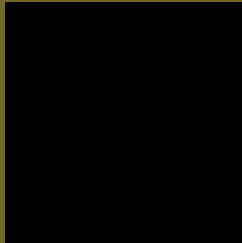
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8928, 0.4069, 0.4638

Background



This preview shows how black text looks on a background with the Yxy color 13.8928, 0.4069, 0.4638.



This preview shows how white text looks on a background with the Yxy color 13.8928, 0.4069, 0.4638.

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

13.8928, 0.4069, 0.4638

Protanopia

13.7536, 0.4156, 0.4571

Deuteranopia

13.8227, 0.4417, 0.4346



Tritanopia

13.8368, 0.3298, 0.3128

Trichromacy



Original Color

13.8928, 0.4069, 0.4638

Protanomaly

13.8879, 0.4127, 0.4596

Deuteranomaly

13.8602, 0.4280, 0.4465

Tritanomaly

13.8249, 0.3619, 0.3712

Monochromacy



Original Color

13.8928, 0.4069, 0.4638

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.9816, 0.3503, 0.3854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8928, 0.4069, 0.4638 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, 106, 38)` looks like.

```
.text, #text, p{  
    color:rgb(112, 106, 38)  
}
```

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, 106, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 106, 38) }
```

Border

The CSS property to change the border of an element to Yxy 13.8928, 0.4069, 0.4638 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, 106, 38) }
```

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

```
.border{ border-color:rgb(112, 106, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 106, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 106, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 106, 38);  
box-shadow:4px 4px 4px 4px rgb(112, 106,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8928, 0.4069, 0.4638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 106, 38) }
```

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

```
.background{ background-color: rgb(112,  
106, 38) }
```

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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