

Converting Colors

$Y_{xy}(12.4069, 0.4939, 0.4367)$

Have a look what the booklet for
Yxy(12.4069, 0.4939, 0.4367)
contains.

Yxy(12.4069, 0.4939, 0.4367)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.4069, 0.4939, 0.4367)

Conversions

Conversions Part 1

Format	Color
Hex	8A580B
RGB	138, 88, 11
RGB Percent	54%, 35%, 4%
CMY	0.4588, 0.6549, 0.9569
CMYK	0.00, 0.36, 0.92, 0.46
HSL	36°, 85%, 29%
HSV	36°, 92%, 54%
XYZ	14.0320, 12.4069, 1.9717
YIQ	94.1720, 54.5170, -13.3470

Conversions

Conversions Part 2

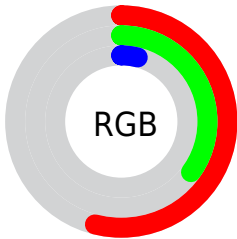
Format	Color
R _Y B	93, 138, 11
Decimal	9066507
CIE Lab	41.86, 14.88, 47.23
CIE LCh	42, 49.520, 72.512
Yxy	12.4069, 0.4939, 0.4367
Android (android.graphics.Color)	4287256587 (0xFF8A580B)
YUV	94.1720, -41.0038, 38.4372
Hunter-Lab	35.2234, 9.4682, 21.3375

Details

The Yxy color **12.4069, 0.4939, 0.4367** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.2441, 0.1759, 0.1442**, and the grayscale version is **11.3261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2829, 0.4551, 0.4204**, and **3.4949, 0.5274, 0.4194** is the 20% darker color. If you saturate the color by 10%, you get **11.6933, 0.5073, 0.4354**, and if you desaturate by 10%, it is **13.3783, 0.4757, 0.4357**.

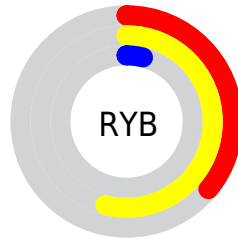
Distribution



Red (54%)

Green (35%)

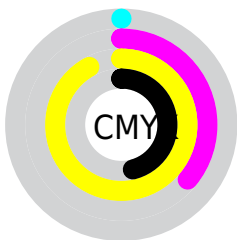
Blue (4%)



Red (36%)

Yellow (54%)

Blue (4%)

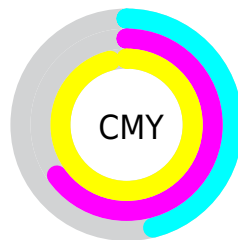


Cyan (0%)

Magenta (36%)

Yellow (92%)

Black (46%)



Cyan (46%)


Magenta (65%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4069, 0.4939, 0.4367 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 12.4069, 0.4939, 0.4367 by changing the saturation by 10% instead.


 12.4069, 0.4939,
0.4367

 12.4069, 0.4939,
0.4367


207.0808, 0.3907,
0.3835


 7.0214, 0.5211,
0.4448


 30.2341, 0.4551,
0.4203


 3.4755, 0.5526,
0.4474

 43.4445, 0.4406,
0.4129


 1.3847, 0.5744,
0.4256

 60.0321, 0.4285,
0.4063

 0.2054, 0.7311,
0.2689


 80.3812, 0.4184,
0.4005


 0.0000, 0.0000,
0.0000


 104.8763, 0.4099,
0.3954


 133.9016, 0.4025,

0.3910


 167.8416, 0.3962,
0.3870


 12.4069, 0.4939,
0.4367


 12.4069, 0.4939,
0.4367


 11.6933, 0.5073,
0.4354

 13.3783, 0.4757,
0.4357

 14.4463, 0.4550,
0.4299

 15.6167, 0.4329,
0.4201

 16.8942, 0.4105,
0.4075

 18.2828, 0.3886,
0.3929

■ 19.7865, 0.3679,
0.3775

■ 21.4087, 0.3487,
0.3619

■ 23.1529, 0.3313,
0.3465

■ 25.0222, 0.3157,
0.3319

Harmonies

Analogous

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



12.4069, 0.5204, 0.3634



12.4069, 0.4939, 0.4367



12.4069, 0.4203, 0.5045

Triad

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



12.4069, 0.4939, 0.4367



12.4069, 0.1672, 0.3359



12.4069, 0.2687, 0.1937

Complementary

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



12.4069, 0.4939, 0.4367



5.2441, 0.1759, 0.1442

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.



12.4069, 0.1912, 0.1773



12.4069, 0.4939, 0.4367



12.4069, 0.1413, 0.2390

Square

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



12.4069, 0.4939, 0.4367



12.4069, 0.2326, 0.4594



12.4069, 0.1499, 0.1896



12.4069, 0.3761, 0.2352

Rectangle

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



12.4069, 0.4939, 0.4367



12.4069, 0.3582, 0.5287



12.4069, 0.1499, 0.1896



12.4069, 0.2387, 0.1853

Sweetspot

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



12.4075, 0.4939, 0.4367



35.8317, 0.3611, 0.3721



5.9886, 0.5088, 0.2657



7.8013, 0.3686, 0.3780



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



12.4075, 0.4939, 0.4367



20.2964, 0.5097, 0.4335



22.5854, 0.4013, 0.5135



5.5199, 0.3267, 0.3422



10.7492, 0.5069, 0.4357



0.1000, 0.4603, 0.4727

Inverse Universe

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



5.2441, 0.1759, 0.1442



7.6496, 0.1680, 0.1249



2.2650, 0.1609, 0.0718



5.1943, 0.2991, 0.3154



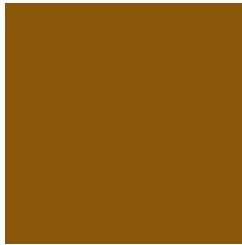
4.1568, 0.1692, 0.1292



0.0548, 0.1921, 0.2115

Previews

White Background



This preview shows how the Yxy color 12.4069, 0.4939, 0.4367 looks on a white background.

Color Contrast Check

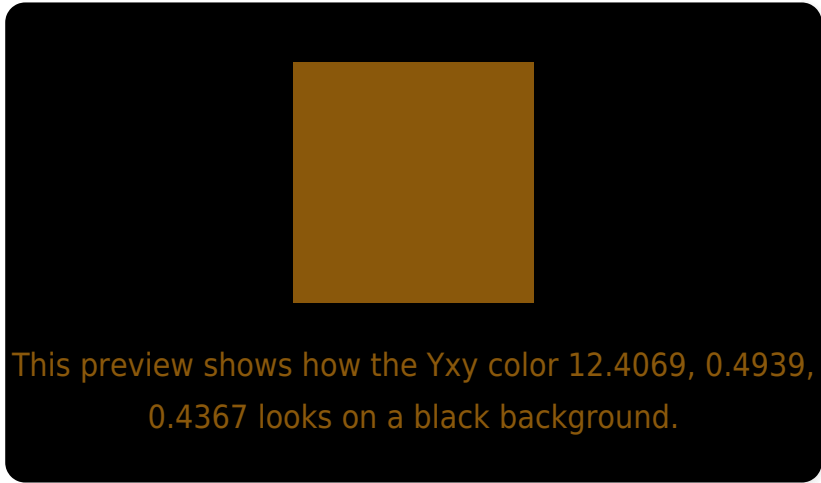
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4069, 0.4939, 0.4367

Background



This preview shows how black text looks on a background with the Yxy color 12.4069, 0.4939, 0.4367.



This preview shows how white text looks on a background with the Yxy color 12.4069, 0.4939, 0.4367.

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

12.4069, 0.4939, 0.4367

Protanopia

12.5936, 0.4322, 0.4806

Deuteranopia

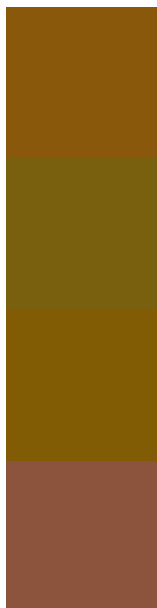
12.4410, 0.4707, 0.4645



Tritanopia

12.4019, 0.4046, 0.3183

Trichromacy



Original Color

12.4069, 0.4939, 0.4367

Protanomaly

12.4624, 0.4534, 0.4652

Deuteranomaly

12.4089, 0.4785, 0.4548

Tritanomaly

12.2423, 0.4499, 0.3721

Monochromacy



Original Color

12.4069, 0.4939, 0.4367

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.3395, 0.3860, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4069, 0.4939, 0.4367 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(138, 88, 11)` looks like.

```
.text, #text, p{  
    color:rgb(138, 88, 11)  
}
```

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(138, 88, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 88, 11) }
```

Border

The CSS property to change the border of an element to Yxy 12.4069, 0.4939, 0.4367 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(138, 88, 11) }
```

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

```
.border{ border-color:rgb(138, 88, 11) }
```

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

Here you see how a box with a 4 pixel rgb(138, 88, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 88, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 88, 11);  
box-shadow:4px 4px 4px 4px rgb(138, 88,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4069, 0.4939, 0.4367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 88, 11) }
```

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

```
.background{ background-color: rgb(138, 88,  
11) }
```

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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