

Converting Colors

$Y_{xy}(13.8309, 0.4727, 0.4412)$

Have a look what the booklet for
Yxy(13.8309, 0.4727, 0.4412)
contains.

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Color

Yxy(13.8309, 0.4727, 0.4412)

Conversions

Conversions Part 1

Format	Color
Hex	8A6017
RGB	138, 96, 23
RGB Percent	54%, 38%, 9%
CMY	0.4588, 0.6235, 0.9098
CMYK	0.00, 0.30, 0.83, 0.46
HSL	38°, 71%, 32%
HSV	38°, 83%, 54%
XYZ	14.8184, 13.8309, 2.6991
YIQ	100.2360, 48.4650, -13.7990

Conversions

Conversions Part 2

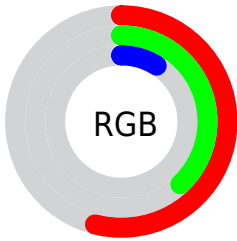
Format	Color
RYB	89, 138, 23
Decimal	9068567
CIELab	43.99, 10.53, 45.11
CIElCh	44, 46.328, 76.861
Yxy	13.8309, 0.4727, 0.4412
Android (android.graphics.Color)	4287258647 (0xFF8A6017)
YUV	100.2360, -38.0773, 33.1190
Hunter-Lab	37.1899, 6.0412, 21.7299

Details

The Yxy color **13.8309, 0.4727, 0.4412** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.7966, 0.1825, 0.1549**, and the grayscale version is **12.8978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6409, 0.4389, 0.4215**, and **4.1660, 0.5042, 0.4379** is the 20% darker color. If you saturate the color by 10%, you get **12.8996, 0.4892, 0.4422**, and if you desaturate by 10%, it is **14.8513, 0.4536, 0.4354**.

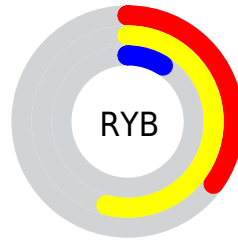
Distribution



 Red (54%)

 Green (38%)

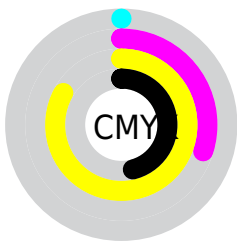
 Blue (9%)




 Red (35%)

 Yellow (54%)

 Blue (9%)

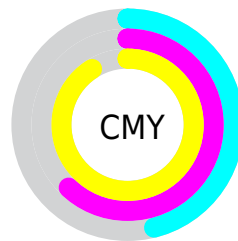


 Cyan (0%)

 Magenta (30%)

 Yellow (83%)

 Black (46%)



 Cyan (46%)


 Magenta (62%)

 Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8309, 0.4727, 0.4412 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 13.8309, 0.4727, 0.4412 by changing the saturation by 10% instead.


 13.8309, 0.4727,
0.4412


 13.8309, 0.4727,
0.4412


216.1763, 0.3822,
0.3831


 8.0031, 0.4952,
0.4516

 32.7887, 0.4386,
0.4216


 4.0970, 0.5317,
0.4683

 46.6875, 0.4259,
0.4135


 1.7279, 0.5459,
0.4541

 64.0455, 0.4154,
0.4065

 0.4417, 0.6051,
0.3949

 85.2470, 0.4066,
0.4005


 0.0000, 0.0000,
0.0000


 110.6764, 0.3991,
0.3952


 140.7182, 0.3926,


0.3906


 175.7567, 0.3871,
0.3866


 13.8309, 0.4727,
0.4412


 13.8309, 0.4727,
0.4412


 12.8996, 0.4892,
0.4422


 14.8513, 0.4536,
0.4354

 12.3181, 0.4996,
0.4415

 15.9638, 0.4328,
0.4256

 17.1733, 0.4113,
0.4127

 18.4839, 0.3901,
0.3978

 19.8991, 0.3698,
0.3818

■ 21.4223, 0.3508,
0.3655

■ 23.0567, 0.3334,
0.3494

■ 24.8052, 0.3176,
0.3340

■ 26.6707, 0.3034,
0.3194

Harmonies

Analogous

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



13.8309, 0.5023, 0.3736



13.8309, 0.4727, 0.4412



13.8309, 0.4023, 0.4968

Triad

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



13.8309, 0.4727, 0.4412



13.8309, 0.1738, 0.3214



13.8309, 0.2862, 0.2083

Complementary

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



13.8309, 0.4727, 0.4412



5.7966, 0.1825, 0.1549

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.



13.8309, 0.2095, 0.1893



13.8309, 0.4727, 0.4412



13.8309, 0.1534, 0.2389

Square

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



13.8309, 0.4727, 0.4412



13.8309, 0.2301, 0.4304



13.8309, 0.1657, 0.1975



13.8309, 0.3853, 0.2502

Rectangle

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



13.8309, 0.4727, 0.4412



13.8309, 0.3442, 0.5093



13.8309, 0.1657, 0.1975



13.8309, 0.2572, 0.1992

Sweetspot

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



13.8316, 0.4727, 0.4412



37.1550, 0.3549, 0.3690



6.3993, 0.4938, 0.2690



8.1497, 0.3605, 0.3740



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.



13.8316, 0.4727, 0.4412



21.4062, 0.5017, 0.4398



22.4240, 0.3945, 0.5095



5.5429, 0.3266, 0.3429



11.3228, 0.4992, 0.4418



0.1032, 0.4564, 0.4758

Inverse Universe

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



5.7966, 0.1825, 0.1549



7.0357, 0.1658, 0.1168



2.8661, 0.1736, 0.0872



5.1719, 0.2991, 0.3148



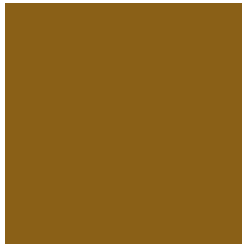
3.8307, 0.1670, 0.1212



0.0516, 0.1899, 0.2035

Previews

White Background



This preview shows how the Yxy color 13.8309, 0.4727, 0.4412 looks on a white background.

Color Contrast Check

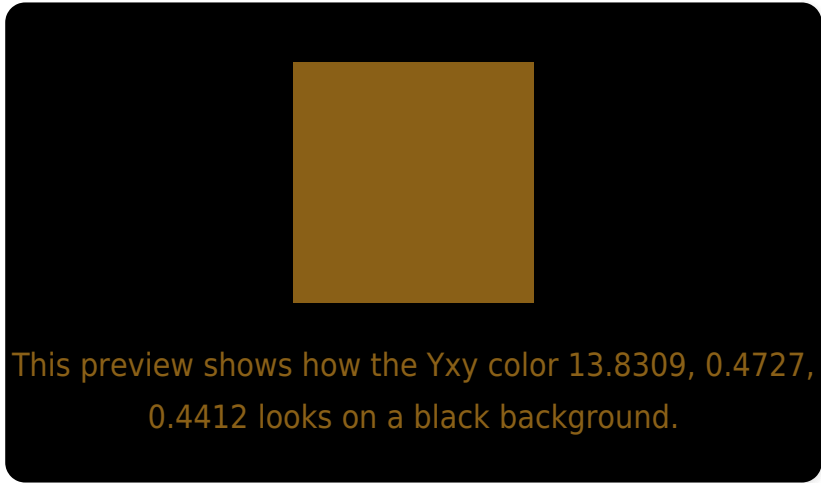
Large Text (above 18pt) WCAG AA ✓ Pass

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

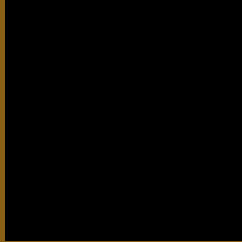
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8309, 0.4727, 0.4412

Background



This preview shows how black text looks on a background with the Yxy color 13.8309, 0.4727, 0.4412.



This preview shows how white text looks on a background with the Yxy color 13.8309, 0.4727, 0.4412.

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

13.8309, 0.4727, 0.4412

Protanopia

13.9552, 0.4263, 0.4735

Deuteranopia

13.8834, 0.4606, 0.4531



Tritanopia

13.7401, 0.3879, 0.3165

Trichromacy



Original Color

13.8309, 0.4727, 0.4412

Protanomaly

13.9287, 0.4436, 0.4620

Deuteranomaly

13.8616, 0.4644, 0.4488

Tritanomaly

13.7467, 0.4284, 0.3707

Monochromacy



Original Color

13.8309, 0.4727, 0.4412

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.9690, 0.3751, 0.3870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8309, 0.4727, 0.4412 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, 96, 23)` looks like.

```
.text, #text, p{  
    color:rgb(138, 96, 23)  
}
```

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, 96, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 96, 23) }
```

Border

The CSS property to change the border of an element to Yxy 13.8309, 0.4727, 0.4412 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, 96, 23) }
```

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

```
.border{ border-color:rgb(138, 96, 23) }
```

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

Here you see how a box with a 4 pixel rgb(138, 96, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 96, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 96, 23);  
box-shadow:4px 4px 4px 4px rgb(138, 96,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8309, 0.4727, 0.4412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 96, 23) }
```

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

```
.background{ background-color: rgb(138, 96,  
23) }
```

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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