

Converting Colors

$Y_{xy}(13.0657, 0.4830, 0.4412)$

Have a look what the booklet for
Yxy(13.0657, 0.4830, 0.4412)
contains.

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Color

Yxy(13.0101, 0.4826, 0.4410)

Conversions

Conversions Part 1

Format	Color
Hex	895C10
RGB	137, 92, 16
RGB Percent	54%, 36%, 6%
CMY	0.4628, 0.6392, 0.9370
CMYK	0.00, 0.33, 0.88, 0.46
HSL	38°, 79%, 30%
HSV	38°, 88%, 54%
XYZ	14.2374, 13.0101, 2.2539
YIQ	96.7910, 51.2160, -14.0960

Conversions

Conversions Part 2

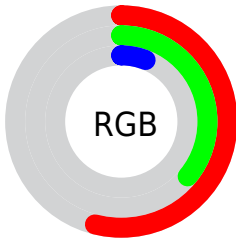
Format	Color
RYB	88, 137, 16
Decimal	9002000
CIELab	42.78, 12.19, 46.43
CIELCh	43, 48.000, 75.292
Yxy	13.0101, 0.4826, 0.4410
Android (android.graphics.Color)	4287192080 (0xFF895C10)
YUV	96.7910, -39.8300, 35.2633
Hunter-Lab	36.0695, 7.3359, 21.5438

Details

The Yxy color **13.0101, 0.4826, 0.4410** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.2618, 0.1778, 0.1461**, and the grayscale version is **11.9926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2327, 0.4457, 0.4223**, and **3.7478, 0.5127, 0.4311** is the 20% darker color. If you saturate the color by 10%, you get **12.1246, 0.4986, 0.4403**, and if you desaturate by 10%, it is **13.9789, 0.4644, 0.4377**.

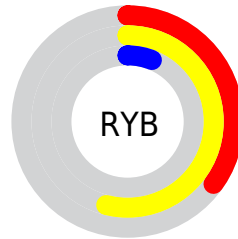
Distribution



Red (54%)

Green (36%)

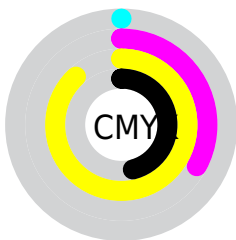
Blue (6%)



Red (35%)

Yellow (54%)

Blue (6%)

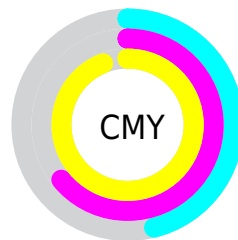


Cyan (0%)

Magenta (33%)

Yellow (88%)

Black (46%)



Cyan (46%)


Magenta (64%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0101, 0.4826, 0.4410 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 13.0101, 0.4826, 0.4410 by changing the saturation by 10% instead.


 13.0101, 0.4826,
0.4410


 13.0101, 0.4826,
0.4410


210.9824, 0.3862,
0.3840

 7.4355, 0.5069,
0.4504


 31.3219, 0.4464,
0.4225


 3.7359, 0.5400,
0.4600

 44.8279, 0.4328,
0.4145

 1.5270, 0.5573,
0.4427

 61.7466, 0.4216,
0.4076

 0.3076, 0.6573,
0.3427


 82.4622, 0.4122,
0.4015


 0.0000, 0.0000,
0.0000


 107.3592, 0.4042,
0.3963

 136.8219, 0.3973,


0.3917

 171.2349, 0.3914,
0.3876


 13.0101, 0.4826,
0.4410


 13.0101, 0.4826,
0.4410


 12.1246, 0.4986,
0.4403

 13.9789, 0.4644,
0.4377

 11.9772, 0.5014,
0.4401

 15.0380, 0.4440,
0.4298

 16.1926, 0.4224,
0.4184

 17.4470, 0.4008,
0.4045

 18.8047, 0.3798,
0.3891

■ 20.2693, 0.3601,
0.3730

■ 21.8441, 0.3418,
0.3569

■ 23.5321, 0.3252,
0.3413

■ 25.3361, 0.3102,
0.3265

Harmonies

Analogous

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



13.0101, 0.5121, 0.3702



13.0101, 0.4826, 0.4410



13.0101, 0.4097, 0.5027

Triad

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



13.0101, 0.4826, 0.4410



13.0101, 0.1691, 0.3259



13.0101, 0.2794, 0.2013

Complementary

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



13.0101, 0.4826, 0.4410



5.2618, 0.1778, 0.1461

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.



13.0101, 0.2012, 0.1829



13.0101, 0.4826, 0.4410



13.0101, 0.1467, 0.2370

Square

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



13.0101, 0.4826, 0.4410



13.0101, 0.2292, 0.4426



13.0101, 0.1578, 0.1925



13.0101, 0.3835, 0.2436

Rectangle

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



13.0101, 0.4826, 0.4410



13.0101, 0.3492, 0.5201



13.0101, 0.1578, 0.1925



13.0101, 0.2496, 0.1923

Sweetspot

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



13.0108, 0.4826, 0.4410



36.7633, 0.3569, 0.3703



6.0435, 0.5034, 0.2673



8.0650, 0.3625, 0.3751



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.



13.0108, 0.4826, 0.4410



21.1308, 0.5036, 0.4383



22.1309, 0.3981, 0.5125



5.5373, 0.3266, 0.3427



11.1806, 0.5011, 0.4403



0.1024, 0.4573, 0.4751

Inverse Universe

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



5.2618, 0.1778, 0.1461



7.1799, 0.1663, 0.1187



2.4577, 0.1661, 0.0779



5.1773, 0.2991, 0.3149



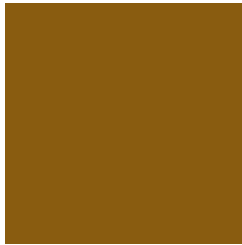
3.9075, 0.1675, 0.1231



0.0524, 0.1904, 0.2054

Previews

White Background



This preview shows how the Yxy color 13.0101, 0.4826, 0.4410 looks on a white background.

Color Contrast Check

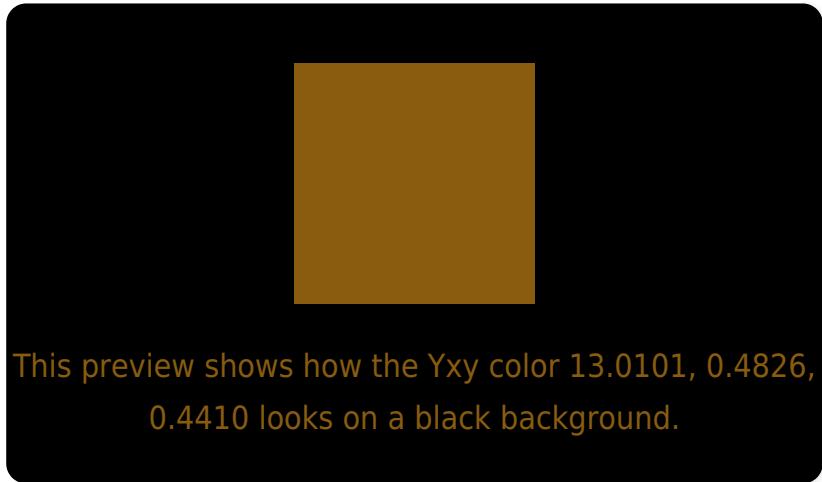
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0101, 0.4826, 0.4410

Background



This preview shows how black text looks on a background with the Yxy color 13.0101, 0.4826, 0.4410.



This preview shows how white text looks on a background with the Yxy color 13.0101, 0.4826, 0.4410.

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

13.0101, 0.4826, 0.4410

Protanopia

13.1272, 0.4300, 0.4780

Deuteranopia

12.9815, 0.4648, 0.4588



Tritanopia

13.0910, 0.3949, 0.3183

Trichromacy



Original Color

13.0101, 0.4826, 0.4410

Protanomaly

12.9166, 0.4493, 0.4642

Deuteranomaly

13.0388, 0.4705, 0.4535

Tritanomaly

12.9251, 0.4389, 0.3725

Monochromacy



Original Color

13.0101, 0.4826, 0.4410

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.0465, 0.3808, 0.3882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0101, 0.4826, 0.4410 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(137, 92, 16)` looks like.

```
.text, #text, p{  
    color:rgb(137, 92, 16)  
}
```

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(137, 92, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 92, 16) }
```

Border

The CSS property to change the border of an element to Yxy 13.0101, 0.4826, 0.4410 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(137, 92, 16) }
```

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

```
.border{ border-color:rgb(137, 92, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 92, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 92, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 92, 16);  
box-shadow:4px 4px 4px 4px rgb(137, 92,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0101, 0.4826, 0.4410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 92, 16) }
```

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

```
.background{ background-color: rgb(137, 92,  
16) }
```

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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