

Converting Colors

$Y_{xy}(13.8367, 0.4654, 0.4404)$

Have a look what the booklet for
Yxy(13.8367, 0.4654, 0.4404)
contains.

Yxy(13.8628, 0.4653, 0.4411)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.8628, 0.4653, 0.4411)

Conversions

Conversions Part 1

Format	Color
Hex	88611B
RGB	136, 97, 27
RGB Percent	53%, 38%, 11%
CMY	0.4667, 0.6196, 0.8941
CMYK	0.00, 0.29, 0.80, 0.47
HSL	39°, 67%, 32%
HSV	39°, 80%, 53%
XYZ	14.6234, 13.8628, 2.9416
YIQ	100.6810, 45.7140, -13.5020

Conversions

Conversions Part 2

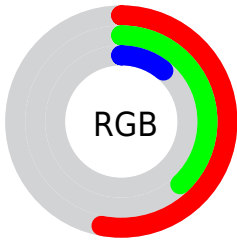
Format	Color
R_{YB}	88, 136, 27
Decimal	8937755
CIE _{Lab}	44.04, 9.15, 43.50
CIE _{LCh}	44, 44.449, 78.125
Yxy	13.8628, 0.4653, 0.4411
Android (android.graphics.Color)	4287127835 (0xFF88611B)
YUV	100.6810, -36.3247, 30.9748
Hunter-Lab	37.2328, 4.9494, 21.3786

Details

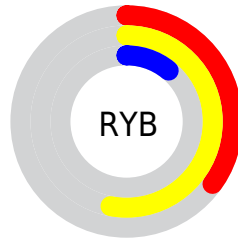
The Yxy color **13.8628, 0.4653, 0.4411** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.9020, 0.1859, 0.1604**, and the grayscale version is **13.0140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7267, 0.4334, 0.4205**, and **4.1615, 0.4970, 0.4435** is the 20% darker color. If you saturate the color by 10%, you get **12.9432, 0.4824, 0.4439**, and if you desaturate by 10%, it is **14.8680, 0.4459, 0.4338**.

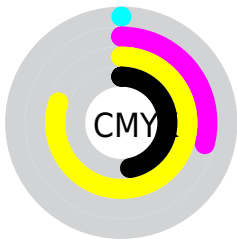
Distribution



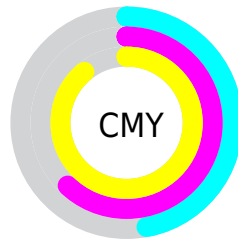
- Red (53%)
- Green (38%)
- Blue (11%)



- Red (35%)
- Yellow (53%)
- Blue (11%)



- Cyan (0%)
- Magenta (29%)
- Yellow (80%)
- Black (47%)





- Cyan (47%)
- Magenta (62%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.8628, 0.4653, 0.4411 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 13.8628, 0.4653, 0.4411 by changing the saturation by 10% instead.


 13.8628, 0.4653,
0.4411


 13.8628, 0.4653,
0.4411


216.3756, 0.3787,
0.3820


 8.0253, 0.4873,
0.4526


 32.8454, 0.4324,
0.4206


 4.1111, 0.5260,
0.4740

 46.7593, 0.4203,
0.4123


 1.7359, 0.5384,
0.4616

 64.1341, 0.4102,
0.4053

 0.4468, 0.5919,
0.4081


 85.3542, 0.4018,
0.3992


 0.0000, 0.0000,
0.0000


 110.8040, 0.3947,
0.3940


 140.8679, 0.3886,


0.3894


 175.9303, 0.3833,
0.3855

 13.8628, 0.4653,
0.4411


 13.8628, 0.4653,
0.4411

 12.9432, 0.4824,
0.4439


 14.8680, 0.4459,
0.4338

 12.1075, 0.4974,
0.4432

 15.9613, 0.4251,
0.4227

 17.1473, 0.4039,
0.4089

 18.4297, 0.3831,
0.3934

 19.8117, 0.3633,
0.3770

■ 21.2966, 0.3450,
0.3606

■ 22.8871, 0.3281,
0.3446

■ 24.5862, 0.3129,
0.3292

■ 26.3964, 0.2993,
0.3148

Harmonies

Analogous

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



13.8628, 0.4950, 0.3761



13.8628, 0.4653, 0.4411



13.8628, 0.3967, 0.4922

Triad

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



13.8628, 0.4653, 0.4411



13.8628, 0.1772, 0.3182



13.8628, 0.2912, 0.2135

Complementary

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



13.8628, 0.4653, 0.4411



5.9020, 0.1859, 0.1604

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.



13.8628, 0.2157, 0.1941



13.8628, 0.4653, 0.4411



13.8628, 0.1585, 0.2402

Square

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



13.8628, 0.4653, 0.4411



13.8628, 0.2307, 0.4216



13.8628, 0.1716, 0.2011



13.8628, 0.3866, 0.2552

Rectangle

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



13.8628, 0.4653, 0.4411



13.8628, 0.3403, 0.5012



13.8628, 0.1716, 0.2011



13.8628, 0.2628, 0.2044

Sweetspot

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



13.8635, 0.4653, 0.4411



36.3757, 0.3528, 0.3678



6.4209, 0.4832, 0.2686



8.2360, 0.3586, 0.3729



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.



13.8635, 0.4653, 0.4411



21.6286, 0.4938, 0.4427



21.7789, 0.3934, 0.5056



5.5491, 0.3266, 0.3430



11.4810, 0.4972, 0.4434



0.1040, 0.4554, 0.4766

Inverse Universe

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



5.9020, 0.1859, 0.1604



7.2438, 0.1683, 0.1225



3.0431, 0.1782, 0.0940



5.1659, 0.2991, 0.3146



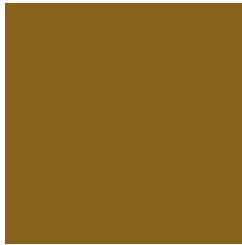
3.7484, 0.1664, 0.1191



0.0508, 0.1892, 0.2012

Previews

White Background



This preview shows how the Yxy color 13.8628, 0.4653, 0.4411 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 13.8628, 0.4653, 0.4411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

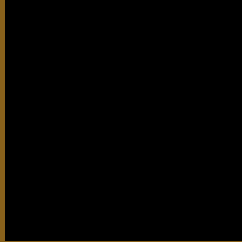
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8628, 0.4653, 0.4411

Background



This preview shows how black text looks on a background with the Yxy color 13.8628, 0.4653, 0.4411.



This preview shows how white text looks on a background with the Yxy color 13.8628, 0.4653, 0.4411.

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

13.8628, 0.4653, 0.4411

Protanopia

13.9738, 0.4234, 0.4693

Deuteranopia

13.8236, 0.4557, 0.4497



Tritanopia

13.9207, 0.3820, 0.3182

Trichromacy



Original Color

13.8628, 0.4653, 0.4411

Protanomaly

13.8717, 0.4392, 0.4590

Deuteranomaly

13.7965, 0.4602, 0.4463

Tritanomaly

13.7855, 0.4197, 0.3678

Monochromacy



Original Color

13.8628, 0.4653, 0.4411

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.1862, 0.3715, 0.3848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8628, 0.4653, 0.4411 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(136, 97, 27)` looks like.

```
.text, #text, p{  
    color:rgb(136, 97, 27)  
}
```

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(136, 97, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 97, 27) }
```

Border

The CSS property to change the border of an element to Yxy 13.8628, 0.4653, 0.4411 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(136, 97, 27) }
```

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

```
.border{ border-color:rgb(136, 97, 27) }
```

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

Here you see how a box with a 4 pixel rgb(136, 97, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 97, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 97, 27);  
box-shadow:4px 4px 4px 4px rgb(136, 97,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8628, 0.4653, 0.4411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 97, 27) }
```

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

```
.background{ background-color: rgb(136, 97,  
27) }
```

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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