

Converting Colors

$Y_{xy}(13.0205, 0.4886, 0.4157)$

Have a look what the booklet for
Yxy(13.0205, 0.4886, 0.4157)
contains.

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Color

Yxy(13.0077, 0.4876, 0.4162)

Conversions

Conversions Part 1

Format	Color
Hex	90581F
RGB	144, 88, 31
RGB Percent	56%, 35%, 12%
CMY	0.4353, 0.6549, 0.8783
CMYK	0.00, 0.39, 0.78, 0.44
HSL	30°, 65%, 34%
HSV	30°, 78%, 56%
XYZ	15.2392, 13.0077, 3.0066
YIQ	98.2460, 51.6730, -5.8550

Conversions

Conversions Part 2

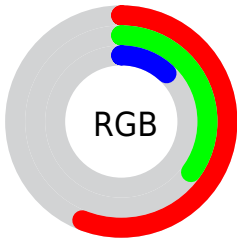
Format	Color
R_{YB}	142, 144, 31
Decimal	9459743
CIE _{Lab}	42.77, 18.29, 40.89
CIE _{LCh}	43, 44.790, 65.898
Yxy	13.0077, 0.4876, 0.4162
Android (android.graphics.Color)	4287649823 (0xFF90581F)
YUV	98.2460, -33.1523, 40.1263
Hunter-Lab	36.0662, 12.3065, 20.3037

Details

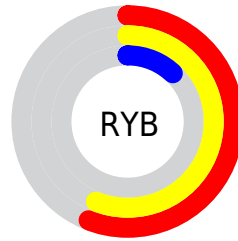
The Yxy color **13.0077, 0.4876, 0.4162** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.1283, 0.1967, 0.1993**, and the grayscale version is **12.3547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2980, 0.4483, 0.4025**, and **3.7798, 0.5380, 0.4110** is the 20% darker color. If you saturate the color by 10%, you get **11.8334, 0.5117, 0.4167**, and if you desaturate by 10%, it is **14.3321, 0.4614, 0.4111**.

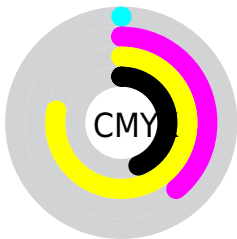
Distribution



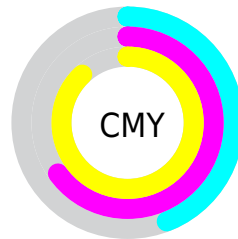
- Red (56%)
- Green (35%)
- Blue (12%)



- Red (56%)
- Yellow (56%)
- Blue (12%)



- Cyan (0%)
- Magenta (39%)
- Yellow (78%)
- Black (44%)



- Cyan (44%)
- Magenta (65%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0077, 0.4876, 0.4162 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 13.0077, 0.4876, 0.4162 by changing the saturation by 10% instead.


 13.0077, 0.4876,
0.4162

 13.0077, 0.4876,
0.4162


210.9670, 0.3857,
0.3730


 7.4338, 0.5154,
0.4222


 31.3176, 0.4478,
0.4025


 3.7349, 0.5648,
0.4352

 44.8225, 0.4335,
0.3965

 1.5264, 0.5895,
0.4105

 61.7398, 0.4218,
0.3912

 0.3072, 0.7062,
0.2938

 82.4539, 0.4121,
0.3866

 0.0000, 0.0000,
0.0000

 107.3494, 0.4040,
0.3825

 136.8104, 0.3970,

0.3790

171.2215, 0.3910,
0.3758

13.0077, 0.4876,
0.4162

13.0077, 0.4876,
0.4162

11.8334, 0.5117,
0.4167

14.3321, 0.4614,
0.4111

10.7952, 0.5332,
0.4128

15.8118, 0.4348,
0.4023

10.6439, 0.5366,
0.4121

17.4538, 0.4090,
0.3910

19.2642, 0.3849,
0.3783

21.2486, 0.3629,
0.3651

■ 23.4122, 0.3432,
0.3519

■ 25.7601, 0.3258,
0.3392

■ 28.2971, 0.3105,
0.3272

■ 31.0276, 0.2971,
0.3160

Harmonies

Analogous

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



13.0077, 0.4961, 0.3493



13.0077, 0.4876, 0.4162



13.0077, 0.4302, 0.4782

Triad

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



13.0077, 0.4876, 0.4162



13.0077, 0.1916, 0.3602



13.0077, 0.2553, 0.1998

Complementary

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



13.0077, 0.4876, 0.4162



9.1283, 0.1967, 0.1993

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.



13.0077, 0.1910, 0.1904



13.0077, 0.4876, 0.4162



13.0077, 0.1585, 0.2651

Square

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



13.0077, 0.4876, 0.4162



13.0077, 0.2595, 0.4630



13.0077, 0.1592, 0.2097



13.0077, 0.3479, 0.2336

Rectangle

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



13.0077, 0.4876, 0.4162



13.0077, 0.3763, 0.5038



13.0077, 0.1592, 0.2097



13.0077, 0.2302, 0.1938

Sweetspot

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



13.0084, 0.4876, 0.4162



38.9470, 0.3548, 0.3599



7.6081, 0.4400, 0.2437



8.6564, 0.3614, 0.3641



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



13.0084, 0.4876, 0.4162



19.4833, 0.5275, 0.4136



25.9751, 0.4109, 0.4913



5.8453, 0.3270, 0.3401



9.3160, 0.5358, 0.4128



0.1331, 0.4759, 0.4603

Inverse Universe

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



9.1283, 0.1967, 0.1993



12.3429, 0.1809, 0.1669



3.2877, 0.1688, 0.0911



5.6688, 0.2990, 0.3176



5.7676, 0.1780, 0.1606



0.0991, 0.1994, 0.2379

Previews

White Background



This preview shows how the Yxy color 13.0077, 0.4876, 0.4162 looks on a white background.

Color Contrast Check

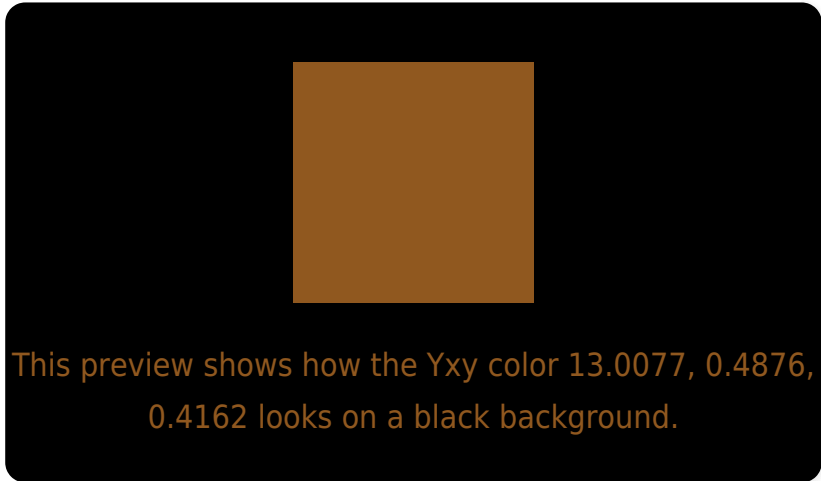
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0077, 0.4876, 0.4162

Background



This preview shows how black text looks on a background with the Yxy color 13.0077, 0.4876, 0.4162.



This preview shows how white text looks on a background with the Yxy color 13.0077, 0.4876, 0.4162.

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

13.0077, 0.4876, 0.4162

Protanopia

13.2015, 0.4179, 0.4600

Deuteranopia

12.9616, 0.4531, 0.4467



Tritanopia

12.9422, 0.4141, 0.3188

Trichromacy



Original Color

13.0077, 0.4876, 0.4162

Protanomaly

13.0249, 0.4431, 0.4432

Deuteranomaly

12.9040, 0.4659, 0.4354

Tritanomaly

12.8569, 0.4475, 0.3587

Monochromacy



Original Color

13.0077, 0.4876, 0.4162

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.1447, 0.3773, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0077, 0.4876, 0.4162 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(144, 88, 31)` looks like.

```
.text, #text, p{  
    color:rgb(144, 88, 31)  
}
```

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(144, 88, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 88, 31) }
```

Border

The CSS property to change the border of an element to Yxy 13.0077, 0.4876, 0.4162 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(144, 88, 31) }
```

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

```
.border{ border-color:rgb(144, 88, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 88, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 88, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 88, 31);  
box-shadow:4px 4px 4px 4px rgb(144, 88,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0077, 0.4876, 0.4162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 88, 31) }
```

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

```
.background{ background-color: rgb(144, 88,  
31) }
```

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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