

Converting Colors

$Y_{xy}(13.1824, 0.4864, 0.4497)$

Have a look what the booklet for
Yxy(13.1824, 0.4864, 0.4497)
contains.

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Color

Yxy(13.1536, 0.4867, 0.4493)

Conversions

Conversions Part 1

Format	Color
Hex	895D03
RGB	137, 93, 3
RGB Percent	54%, 36%, 1%
CMY	0.4627, 0.6353, 0.9883
CMYK	0.00, 0.32, 0.98, 0.46
HSL	40°, 96%, 27%
HSV	40°, 98%, 54%
XYZ	14.2485, 13.1536, 1.8736
YIQ	95.8960, 55.1140, -18.6620

Conversions

Conversions Part 2

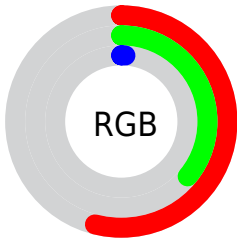
Format	Color
RYB	69, 137, 3
Decimal	9002243
CIELab	42.99, 11.33, 50.08
CIELCh	43, 51.344, 77.254
Yxy	13.1536, 0.4867, 0.4493
Android (android.graphics.Color)	4287192323 (0xFF895D03)
YUV	95.8960, -45.7977, 36.0482
Hunter-Lab	36.2679, 6.6582, 22.3245

Details

The Yxy color **13.1536, 0.4867, 0.4493** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.8588, 0.1660, 0.1150**, and the grayscale version is **11.7741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5733, 0.4519, 0.4305**, and **3.8269, 0.5095, 0.4337** is the 20% darker color. If you saturate the color by 10%, you get **12.9764, 0.4898, 0.4493**, and if you desaturate by 10%, it is **14.0005, 0.4726, 0.4490**.

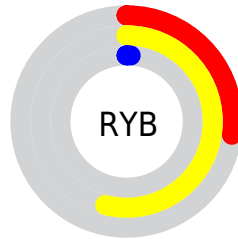
Distribution



Red (54%)

Green (36%)

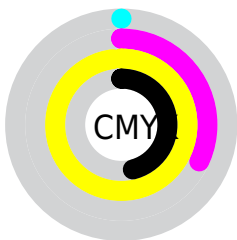
Blue (1%)



Red (27%)

Yellow (54%)

Blue (1%)

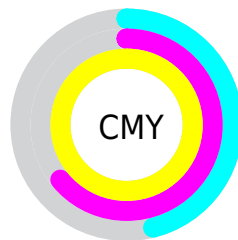


Cyan (0%)

Magenta (32%)

Yellow (98%)

Black (46%)



Cyan (46%)


Magenta (64%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1536, 0.4867, 0.4493 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 13.1536, 0.4867, 0.4493 by changing the saturation by 10% instead.


 13.1536, 0.4867,
0.4493

 13.1536, 0.4867,
0.4493

 211.8997, 0.3898,
0.3891


 7.5344, 0.5112,
0.4598


 31.5795, 0.4512,
0.4303

 3.7985, 0.5362,
0.4638

 45.1549, 0.4376,
0.4219


 1.5615, 0.5522,
0.4478

 62.1512, 0.4262,
0.4145

 0.3314, 0.6409,
0.3591

 82.9528, 0.4166,
0.4081

 0.0000, 0.0000,
0.0000

 107.9441, 0.4084,
0.4024

 137.5094, 0.4013,

0.3974

■ 172.0331, 0.3952,
0.3930

■ 13.1536, 0.4867,
0.4493

■ 13.1536, 0.4867,
0.4493

■ 12.9764, 0.4898,
0.4493

■ 14.0005, 0.4726,
0.4490

■ 14.9172, 0.4563,
0.4446

■ 15.9125, 0.4376,
0.4358

■ 16.9906, 0.4177,
0.4235

■ 18.1553, 0.3974,
0.4086

■ 19.4099, 0.3775,
0.3922

■ 20.7575, 0.3585,
0.3751

■ 22.2012, 0.3407,
0.3581

■ 23.7436, 0.3244,
0.3415

Harmonies

Analogous

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



13.1536, 0.5236, 0.3747



13.1536, 0.4867, 0.4493



13.1536, 0.4069, 0.5152

Triad

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



13.1536, 0.4867, 0.4493



13.1536, 0.1584, 0.3170



13.1536, 0.2836, 0.1971

Complementary

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



13.1536, 0.4867, 0.4493



3.8588, 0.1660, 0.1150

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.



13.1536, 0.1994, 0.1762



13.1536, 0.4867, 0.4493



13.1536, 0.1383, 0.2265

Square

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



13.1536, 0.4867, 0.4493



13.1536, 0.2182, 0.4432



13.1536, 0.1522, 0.1836



13.1536, 0.3952, 0.2425

Rectangle

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



13.1536, 0.4867, 0.4493



13.1536, 0.3427, 0.5331



13.1536, 0.1522, 0.1836



13.1536, 0.2514, 0.1872

Sweetspot

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



13.1543, 0.4867, 0.4493



36.7148, 0.3619, 0.3783



5.5948, 0.5511, 0.2834



8.0326, 0.3688, 0.3846



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.



13.1543, 0.4867, 0.4493



22.9288, 0.4917, 0.4478



21.5235, 0.3909, 0.5261



5.5728, 0.3265, 0.3436



12.1080, 0.4895, 0.4495



0.1073, 0.4516, 0.4796

Inverse Universe

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



3.8588, 0.1660, 0.1150



6.3233, 0.1631, 0.1071



2.0822, 0.1607, 0.0675



5.1431, 0.2991, 0.3139



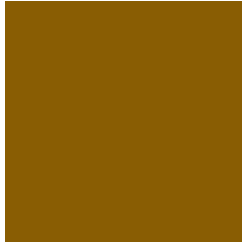
3.4501, 0.1643, 0.1114



0.0475, 0.1868, 0.1926

Previews

White Background



This preview shows how the Yxy color 13.1536, 0.4867, 0.4493 looks on a white background.

Color Contrast Check

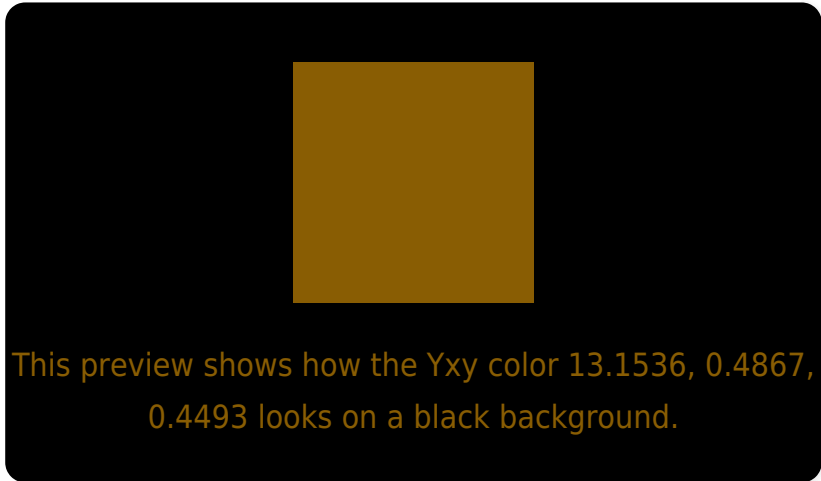
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1536, 0.4867, 0.4493

Background



This preview shows how black text looks on a background with the Yxy color 13.1536, 0.4867, 0.4493.



This preview shows how white text looks on a background with the Yxy color 13.1536, 0.4867, 0.4493.

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

13.1536, 0.4867, 0.4493

Protanopia

13.1673, 0.4362, 0.4839

Deuteranopia

13.2165, 0.4694, 0.4655



Tritanopia

13.1086, 0.3932, 0.3164

Trichromacy



Original Color

13.1536, 0.4867, 0.4493

Protanomaly

13.1500, 0.4542, 0.4715

Deuteranomaly

13.2735, 0.4751, 0.4601

Tritanomaly

13.0465, 0.4440, 0.3810

Monochromacy



Original Color

13.1536, 0.4867, 0.4493

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.9117, 0.3881, 0.4014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1536, 0.4867, 0.4493 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, 93, 3)` looks like.

```
.text, #text, p{  
    color:rgb(137, 93, 3)  
}
```

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, 93, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 93, 3) }
```

Border

The CSS property to change the border of an element to Yxy 13.1536, 0.4867, 0.4493 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, 93, 3) }
```

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

```
.border{ border-color:rgb(137, 93, 3) }
```

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

Here you see how a box with a 4 pixel rgb(137, 93, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 93, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 93, 3);  
box-shadow:4px 4px 4px 4px rgb(137, 93, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1536, 0.4867, 0.4493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 93, 3) }
```

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

```
.background{ background-color: rgb(137, 93,  
3) }
```

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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