

Converting Colors

$Y_{xy}(13.8659, 0.5496, 0.3813)$

Have a look what the booklet for
Yxy(13.8659, 0.5496, 0.3813)
contains.

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Color

Yxy(13.8297, 0.5509, 0.3809)

Conversions

Conversions Part 1

Format	Color
Hex	AE4918
RGB	174, 73, 24
RGB Percent	68%, 29%, 9%
CMY	0.3177, 0.7137, 0.9061
CMYK	0.00, 0.58, 0.86, 0.32
HSL	20°, 76%, 39%
HSV	20°, 86%, 68%
XYZ	20.0021, 13.8297, 2.4762
YIQ	97.6130, 75.9250, 6.1730

Conversions

Conversions Part 2

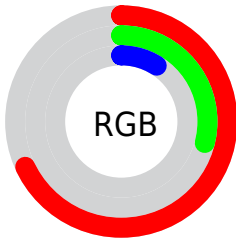
Format	Color
R_{YB}	174, 97, 24
Decimal	11421976
CIE _{Lab}	43.99, 38.84, 46.76
CIE _{LCh}	44, 60.788, 50.290
Yxy	13.8297, 0.5509, 0.3809
Android (android.graphics.Color)	4289612056 (0xFFAE4918)
YUV	97.6130, -36.2912, 66.9914
Hunter-Lab	37.1883, 30.9282, 22.0840

Details

The Yxy color **13.8297, 0.5509, 0.3809** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **17.8990, 0.2020, 0.2357**, and the grayscale version is **12.1901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9811, 0.4986, 0.3813**, and **4.1137, 0.6142, 0.3505** is the 20% darker color. If you saturate the color by 10%, you get **12.3823, 0.5789, 0.3738**, and if you desaturate by 10%, it is **15.6139, 0.5177, 0.3833**.

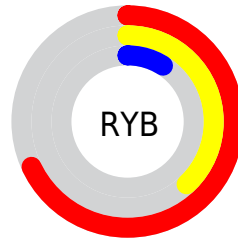
Distribution



Red (68%)

Green (29%)

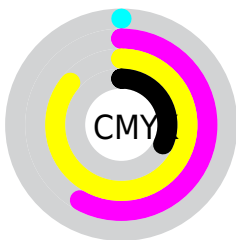
Blue (9%)



Red (68%)

Yellow (38%)

Blue (9%)

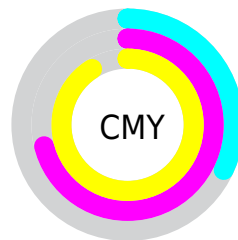


Cyan (0%)

Magenta (58%)

Yellow (86%)

Black (32%)



Cyan (32%)


Magenta (71%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8297, 0.5509, 0.3809 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 13.8297, 0.5509, 0.3809 by changing the saturation by 10% instead.


 13.8297, 0.5509,
0.3809


 13.8297, 0.5509,
0.3809


216.1688, 0.4146,
0.3662

 8.0023, 0.5861,
0.3751

 32.7866, 0.4990,
0.3812


 4.0964, 0.6362,
0.3638

 46.6848, 0.4800,
0.3793


 1.7276, 0.6764,
0.3236

 64.0421, 0.4642,
0.3770

 0.4415, 0.7708,
0.2292

 85.2429, 0.4509,
0.3746

 0.0000, 1.0000,
0.0000


 110.6716, 0.4397,
0.3723

 0.0000, 0.0000,
0.0000

 140.7126, 0.4301,


0.3701


 175.7502, 0.4219,
0.3681

 13.8297, 0.5509,
0.3809


 13.8297, 0.5509,
0.3809


 12.3823, 0.5789,
0.3738

 15.6139, 0.5177,
0.3833

 11.9143, 0.5886,
0.3708

 17.7560, 0.4824,
0.3813

 20.2769, 0.4477,
0.3760

 23.1954, 0.4156,
0.3686

 26.5284, 0.3870,
0.3600

■ 30.2923, 0.3621,
0.3511

■ 34.5020, 0.3407,
0.3423

■ 39.1722, 0.3226,
0.3340

■ 44.3164, 0.3072,
0.3261

Harmonies

Analogous

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



13.8297, 0.5272, 0.3051



13.8297, 0.5509, 0.3809



13.8297, 0.4970, 0.4653

Triad

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



13.8297, 0.5509, 0.3809



13.8297, 0.1935, 0.4490



13.8297, 0.1919, 0.1596

Complementary

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



13.8297, 0.5509, 0.3809



17.8990, 0.2020, 0.2357

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.



13.8297, 0.1373, 0.1631



13.8297, 0.5509, 0.3809



13.8297, 0.1344, 0.2985

Square

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



13.8297, 0.5509, 0.3809



13.8297, 0.2922, 0.5594



13.8297, 0.1186, 0.2034



13.8297, 0.2899, 0.1852

Rectangle

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



13.8297, 0.5509, 0.3809



13.8297, 0.4359, 0.5216



13.8297, 0.1186, 0.2034



13.8297, 0.1692, 0.1573

Sweetspot

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



13.8305, 0.5509, 0.3809



54.7895, 0.3626, 0.3513



11.1681, 0.4021, 0.2081



11.6446, 0.3706, 0.3544



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



13.8305, 0.5509, 0.3809



21.2486, 0.5917, 0.3684



29.7723, 0.4449, 0.4735



8.4271, 0.3278, 0.3365



8.7399, 0.5866, 0.3724



0.3445, 0.5277, 0.4192

Inverse Universe

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



17.8990, 0.2020, 0.2357



28.2404, 0.1936, 0.2169



5.6569, 0.1660, 0.1019



8.6239, 0.2986, 0.3214



11.5733, 0.1945, 0.2203



0.4160, 0.2048, 0.2571

Previews

White Background



This preview shows how the Yxy color 13.8297, 0.5509, 0.3809 looks on a white background.

Color Contrast Check

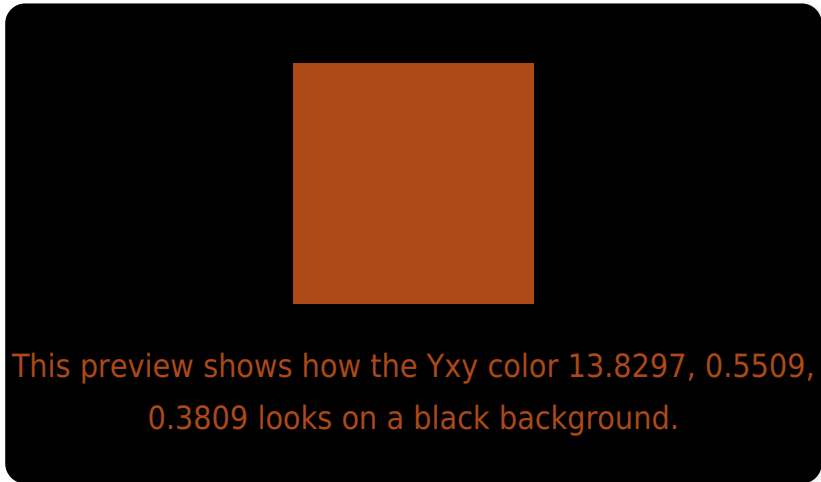
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8297, 0.5509, 0.3809

Background



This preview shows how black text looks on a background with the Yxy color 13.8297, 0.5509, 0.3809.



This preview shows how white text looks on a background with the Yxy color 13.8297, 0.5509, 0.3809.

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

13.8297, 0.5509, 0.3809

Protanopia

13.9893, 0.4211, 0.4657

Deuteranopia

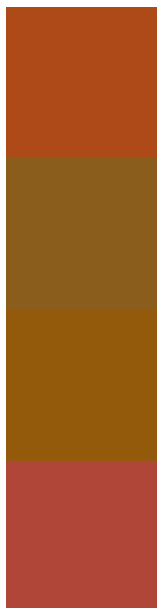
13.8358, 0.4688, 0.4635



Tritanopia

13.8454, 0.4938, 0.3229

Trichromacy



Original Color

13.8297, 0.5509, 0.3809

Protanomaly

13.3207, 0.4730, 0.4311

Deuteranomaly

13.5395, 0.5017, 0.4314

Tritanomaly

13.7701, 0.5202, 0.3485

Monochromacy



Original Color

13.8297, 0.5509, 0.3809

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.0353, 0.4043, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8297, 0.5509, 0.3809 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(174, 73, 24)` looks like.

```
.text, #text, p{  
    color:rgb(174, 73, 24)  
}
```

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(174, 73, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 73, 24) }
```

Border

The CSS property to change the border of an element to Yxy 13.8297, 0.5509, 0.3809 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(174, 73, 24) }
```

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

```
.border{ border-color:rgb(174, 73, 24) }
```

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

Here you see how a box with a 4 pixel rgb(174, 73, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 73, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 73, 24);  
box-shadow:4px 4px 4px 4px rgb(174, 73,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8297, 0.5509, 0.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 73, 24) }
```

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

```
.background{ background-color: rgb(174, 73,  
24) }
```

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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