

Converting Colors

$Y_{xy}(13.7754, 0.5749, 0.4216)$

Have a look what the booklet for
Yxy(13.7754, 0.5749, 0.4216)
contains.

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Color

Yxy(13.8838, 0.5509, 0.4008)

Conversions

Conversions Part 1

Format	Color
Hex	A94E00
RGB	169, 78, 0
RGB Percent	66%, 31%, 0%
CMY	0.3373, 0.6940, 1.0000
CMYK	0.00, 0.54, 1.00, 0.34
HSL	28°, 100%, 33%
HSV	28°, 100%, 66%
XYZ	19.0833, 13.8838, 1.6731
YIQ	96.3170, 79.2740, -4.9660

Conversions

Conversions Part 2

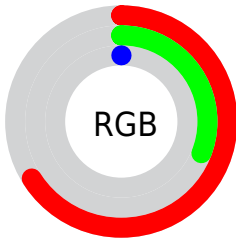
Format	Color
RYB	169, 145, 0
Decimal	11095552
CIELab	44.07, 33.88, 53.84
CIELCh	44, 63.610, 57.822
Yxy	13.8838, 0.5509, 0.4008
Android (android.graphics.Color)	4289285632 (0xFFA94E00)
YUV	96.3170, -47.4843, 63.7430
Hunter-Lab	37.2610, 26.2125, 23.4204

Details

The Yxy color **13.8838, 0.5509, 0.4008** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.3388, 0.1811, 0.1718**, and the grayscale version is **11.8833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9949, 0.5024, 0.3988**, and **4.1299, 0.5961, 0.3649** is the 20% darker color. If you saturate the color by 10%, you get **13.8846, 0.5509, 0.4008**, and if you desaturate by 10%, it is **15.3084, 0.5284, 0.4069**.

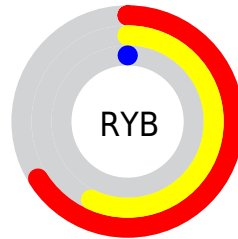
Distribution



Red (66%)

Green (31%)

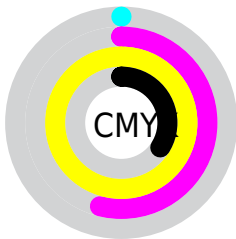
Blue (0%)



Red (66%)

Yellow (57%)

Blue (0%)

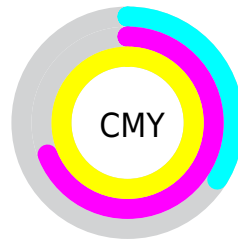


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (69%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8838, 0.5509, 0.4008 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 13.8838, 0.5509, 0.4008 by changing the saturation by 10% instead.


 13.8838, 0.5509,
0.4008


 13.8838, 0.5509,
0.4008


 216.5067, 0.4183,
0.3776


 8.0399, 0.5854,
0.3977


 32.8827, 0.5023,
0.3991


 4.1205, 0.6193,
0.3807

 46.8065, 0.4838,
0.3960


 1.7412, 0.6561,
0.3439

 64.1924, 0.4682,
0.3926

 0.4501, 0.7466,
0.2534

 85.4247, 0.4550,
0.3892

 0.0000, 1.0000,
0.0000


 110.8879, 0.4437,
0.3860

 0.0000, 0.0000,
0.0000


 140.9664, 0.4340,


0.3830


 176.0445, 0.4256,
0.3802


 13.8838, 0.5509,
0.4008


 13.8838, 0.5509,
0.4008


 13.8846, 0.5509,
0.4008

 15.3084, 0.5284,
0.4069

 16.9518, 0.5027,
0.4088

 18.8353, 0.4744,
0.4056

 20.9713, 0.4455,
0.3984

 23.3710, 0.4175,
0.3884

■ 26.0447, 0.3915,
0.3768

■ 29.0021, 0.3679,
0.3645

■ 32.2523, 0.3470,
0.3522

■ 35.8038, 0.3287,
0.3403

Harmonies

Analogous

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



13.8838, 0.5513, 0.3216



13.8838, 0.5509, 0.4008



13.8838, 0.4791, 0.4902

Triad

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



13.8838, 0.5509, 0.4008



13.8838, 0.1685, 0.4128



13.8838, 0.2083, 0.1583

Complementary

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



13.8838, 0.5509, 0.4008



10.3388, 0.1811, 0.1718

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.



13.8838, 0.1422, 0.1538



13.8838, 0.5509, 0.4008



13.8838, 0.1207, 0.2649

Square

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



13.8838, 0.5509, 0.4008



13.8838, 0.2618, 0.5543



13.8838, 0.1146, 0.1836



13.8838, 0.3209, 0.1916

Rectangle

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



13.8838, 0.5509, 0.4008



13.8838, 0.4109, 0.5465



13.8838, 0.1146, 0.1836



13.8838, 0.1813, 0.1535

Sweetspot

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



13.8846, 0.5509, 0.4008



51.6574, 0.3691, 0.3652



9.2220, 0.4736, 0.2382



10.7826, 0.3784, 0.3702



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



13.8846, 0.5509, 0.4008



24.4638, 0.5537, 0.3986



33.7588, 0.4282, 0.4982



8.0918, 0.3275, 0.3395



10.4558, 0.5492, 0.4021



0.3574, 0.4960, 0.4444

Inverse Universe

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



10.3388, 0.1811, 0.1718



18.0976, 0.1803, 0.1690



3.0472, 0.1510, 0.0634



7.9443, 0.2987, 0.3183



7.8155, 0.1815, 0.1735



0.2908, 0.1973, 0.2301

Previews

White Background



This preview shows how the Yxy color 13.8838, 0.5509, 0.4008 looks on a white background.

Color Contrast Check

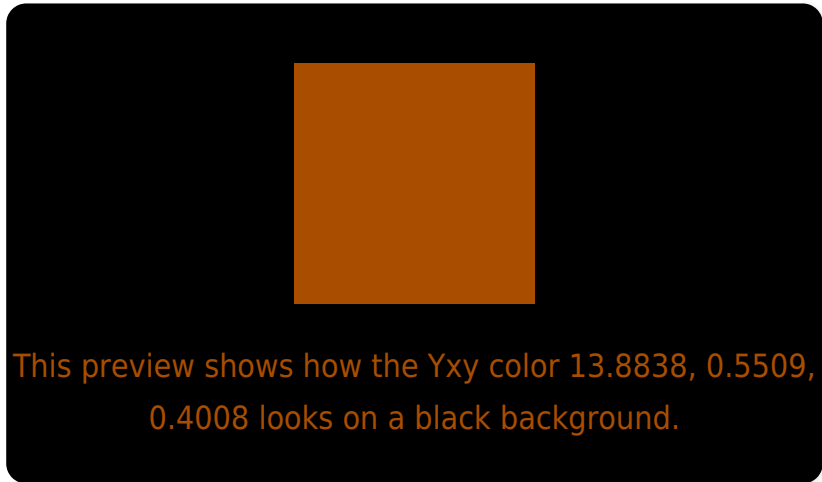
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8838, 0.5509, 0.4008

Background



This preview shows how black text looks on a background with the Yxy color 13.8838, 0.5509, 0.4008.



This preview shows how white text looks on a background with the Yxy color 13.8838, 0.5509, 0.4008.

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

13.8838, 0.5509, 0.4008

Protanopia

13.9892, 0.4335, 0.4810

Deuteranopia

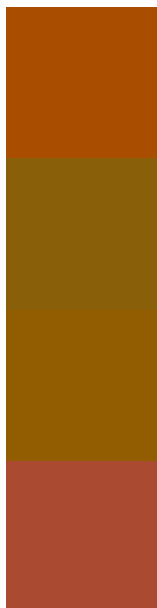
14.1009, 0.4696, 0.4653



Tritanopia

13.9588, 0.4759, 0.3238

Trichromacy



Original Color

13.8838, 0.5509, 0.4008

Protanomaly

13.5247, 0.4801, 0.4490

Deuteranomaly

13.7653, 0.5014, 0.4401

Tritanomaly

13.8000, 0.5173, 0.3633

Monochromacy



Original Color

13.8838, 0.5509, 0.4008

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.6926, 0.4155, 0.3861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8838, 0.5509, 0.4008 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(169, 78, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 78, 0)  
}
```

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(169, 78, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 78, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.8838, 0.5509, 0.4008 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(169, 78, 0) }
```

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

```
.border{ border-color:rgb(169, 78, 0) }
```

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

Here you see how a box with a 4 pixel rgb(169, 78, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 78, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 78, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 78, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.8838, 0.5509, 0.4008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 78, 0) }
```

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

```
.background{ background-color: rgb(169, 78,  
0) }
```

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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