

Converting Colors

$Y_{xy}(13.5068, 0.5602, 0.3856)$

Have a look what the booklet for
Yxy(13.5068, 0.5602, 0.3856)
contains.

Yxy(13.5431, 0.5595, 0.3864)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.5431, 0.5595, 0.3864)

Conversions

Conversions Part 1

Format	Color
Hex	AD480B
RGB	173, 72, 11
RGB Percent	68%, 28%, 4%
CMY	0.3216, 0.7176, 0.9570
CMYK	0.00, 0.58, 0.94, 0.32
HSL	23°, 88%, 36%
HSV	23°, 94%, 68%
XYZ	19.6102, 13.5431, 1.8962
YIQ	95.2450, 79.7770, 2.4410

Conversions

Conversions Part 2

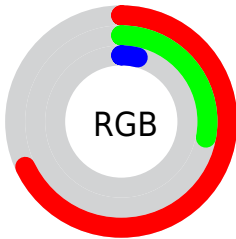
Format	Color
R_{YB}	173, 109, 11
Decimal	11356171
CIE Lab	43.57, 38.68, 50.87
CIE LCh	44, 63.904, 52.749
Yxy	13.5431, 0.5595, 0.3864
Android (android.graphics.Color)	4289546251 (0xFFAD480B)
YUV	95.2450, -41.5328, 68.1911
Hunter-Lab	36.8010, 30.7158, 22.7057

Details

The Yxy color **13.5431, 0.5595, 0.3864** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.6657, 0.1930, 0.2101**, and the grayscale version is **11.5933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1870, 0.5082, 0.3872**, and **4.0110, 0.6154, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **12.6841, 0.5753, 0.3814**, and if you desaturate by 10%, it is **15.1237, 0.5317, 0.3918**.

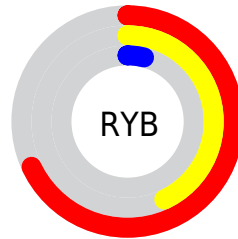
Distribution



Red (68%)

Green (28%)

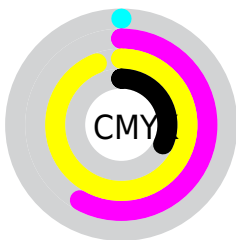
Blue (4%)



Red (68%)

Yellow (43%)

Blue (4%)

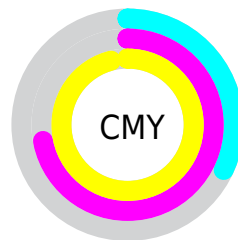


Cyan (0%)

Magenta (58%)

Yellow (94%)

Black (32%)



Cyan (32%)


Magenta (72%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5431, 0.5595, 0.3864 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 13.5431, 0.5595, 0.3864 by changing the saturation by 10% instead.


 13.5431, 0.5595,
0.3864


 13.5431, 0.5595,
0.3864


214.3696, 0.4200,
0.3710


 7.8036, 0.5957,
0.3804


 32.2761, 0.5074,
0.3875


 3.9695, 0.6370,
0.3630

 46.0384, 0.4879,
0.3855


 1.6565, 0.6779,
0.3221

 63.2437, 0.4716,
0.3830

 0.3953, 0.7818,
0.2182

 84.2764, 0.4579,
0.3804


 0.0000, 1.0000,
0.0000


 109.5210, 0.4463,
0.3779


 0.0000, 0.0000,
0.0000

 139.3618, 0.4362,


0.3754

 174.1832, 0.4276,
0.3732


 13.5431, 0.5595,
0.3864


 13.5431, 0.5595,
0.3864


 12.6841, 0.5753,
0.3814

 15.1237, 0.5317,
0.3918

 17.0076, 0.4999,
0.3921

 19.2137, 0.4669,
0.3882

 21.7585, 0.4349,
0.3810

 24.6570, 0.4052,
0.3720

■ 27.9231, 0.3788,
0.3620

■ 31.5700, 0.3556,
0.3518

■ 35.6102, 0.3355,
0.3418

■ 40.0554, 0.3184,
0.3323

Harmonies

Analogous

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



13.5431, 0.5447, 0.3083



13.5431, 0.5595, 0.3864



13.5431, 0.4958, 0.4754

Triad

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



13.5431, 0.5595, 0.3864



13.5431, 0.1798, 0.4429



13.5431, 0.1927, 0.1539

Complementary

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



13.5431, 0.5595, 0.3864



14.6657, 0.1930, 0.2101

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.



13.5431, 0.1335, 0.1546



13.5431, 0.5595, 0.3864



13.5431, 0.1237, 0.2846

Square

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



13.5431, 0.5595, 0.3864



13.5431, 0.2794, 0.5702



13.5431, 0.1115, 0.1915



13.5431, 0.2986, 0.1826

Rectangle

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



13.5431, 0.5595, 0.3864



13.5431, 0.4294, 0.5352



13.5431, 0.1115, 0.1915



13.5431, 0.1682, 0.1508

Sweetspot

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



13.5439, 0.5595, 0.3864



53.3028, 0.3664, 0.3567



10.3276, 0.4296, 0.2178



11.0023, 0.3763, 0.3610



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



13.5439, 0.5595, 0.3864



22.3363, 0.5783, 0.3790



31.1666, 0.4412, 0.4838



8.4913, 0.3277, 0.3376



9.4216, 0.5734, 0.3829



0.3693, 0.5168, 0.4278

Inverse Universe

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



14.6657, 0.1930, 0.2101



24.1184, 0.1886, 0.1989



4.1521, 0.1571, 0.0794



8.5573, 0.2986, 0.3203



10.1809, 0.1897, 0.2028



0.3840, 0.2015, 0.2454

Previews

White Background



This preview shows how the Yxy color 13.5431, 0.5595, 0.3864 looks on a white background.

Color Contrast Check

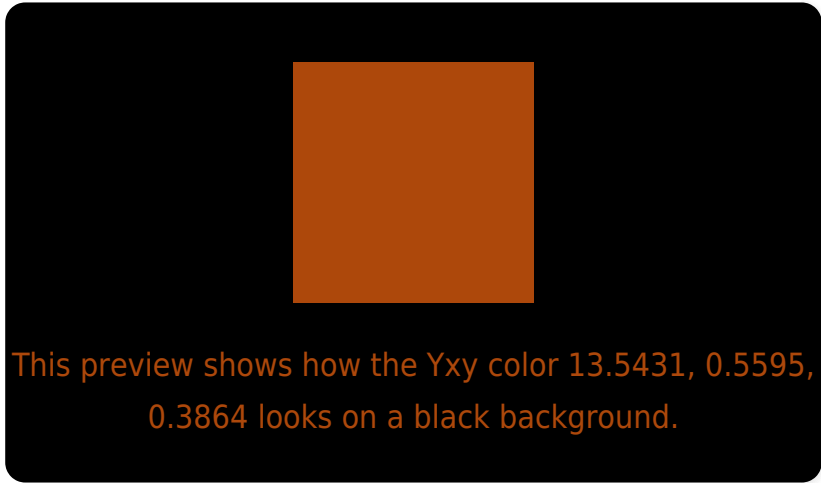
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5431, 0.5595, 0.3864

Background



This preview shows how black text looks on a background with the Yxy color 13.5431, 0.5595, 0.3864.



This preview shows how white text looks on a background with the Yxy color 13.5431, 0.5595, 0.3864.

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

13.5431, 0.5595, 0.3864

Protanopia

13.7367, 0.4303, 0.4759

Deuteranopia

13.5607, 0.4704, 0.4647



Tritanopia

13.5832, 0.4971, 0.3242

Trichromacy



Original Color

13.5431, 0.5595, 0.3864

Protanomaly

13.0131, 0.4821, 0.4404

Deuteranomaly

13.2645, 0.5053, 0.4339

Tritanomaly

13.4767, 0.5291, 0.3541

Monochromacy



Original Color

13.5431, 0.5595, 0.3864

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.3975, 0.4127, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5431, 0.5595, 0.3864 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(173, 72, 11)` looks like.

```
.text, #text, p{  
    color:rgb(173, 72, 11)  
}
```

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(173, 72, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 72, 11) }
```

Border

The CSS property to change the border of an element to Yxy 13.5431, 0.5595, 0.3864 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(173, 72, 11) }
```

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

```
.border{ border-color:rgb(173, 72, 11) }
```

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

Here you see how a box with a 4 pixel rgb(173, 72, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 72, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 72, 11);  
box-shadow:4px 4px 4px 4px rgb(173, 72,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5431, 0.5595, 0.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 72, 11) }
```

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

```
.background{ background-color: rgb(173, 72,  
11) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor