

Converting Colors

$Y_{xy}(13.2571, 0.5694, 0.3854)$

Have a look what the booklet for
Yxy(13.2571, 0.5694, 0.3854)
contains.

Yxy(13.2571, 0.5694, 0.3854)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.2571, 0.5694, 0.3854)

Conversions

Conversions Part 1

Format	Color
Hex	AE4501
RGB	174, 69, 1
RGB Percent	68%, 27%, 0%
CMY	0.3177, 0.7293, 0.9961
CMYK	0.00, 0.60, 0.99, 0.32
HSL	24°, 99%, 34%
HSV	24°, 99%, 68%
XYZ	19.5864, 13.2571, 1.5548
YIQ	92.6430, 84.4080, 1.1120

Conversions

Conversions Part 2

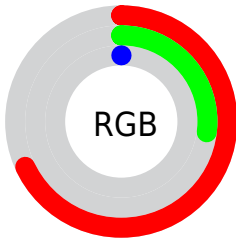
Format	Color
R_{YB}	174, 113, 1
Decimal	11420929
CIE Lab	43.15, 40.38, 53.46
CIE LCh	43, 66.996, 52.933
Yxy	13.2571, 0.5694, 0.3854
Android (android.graphics.Color)	4289611009 (0xFFAE4501)
YUV	92.6430, -45.1800, 71.3501
Hunter-Lab	36.4103, 32.3034, 22.9554

Details

The Yxy color **13.2571, 0.5694, 0.3854** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.3589, 0.1880, 0.1962**, and the grayscale version is **10.9527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8030, 0.5158, 0.3890**, and **3.8524, 0.6228, 0.3437** is the 20% darker color. If you saturate the color by 10%, you get **13.1824, 0.5708, 0.3850**, and if you desaturate by 10%, it is **14.7174, 0.5444, 0.3927**.

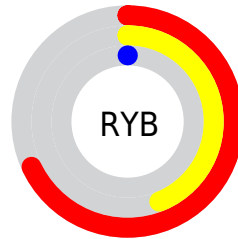
Distribution



Red (68%)

Green (27%)

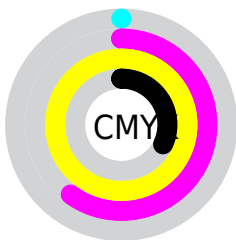
Blue (0%)



Red (68%)

Yellow (44%)

Blue (0%)

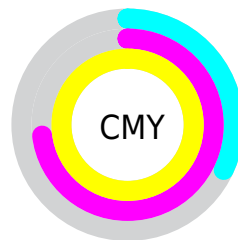


Cyan (0%)

Magenta (60%)

Yellow (99%)

Black (32%)



Cyan (32%)


Magenta (73%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2571, 0.5694, 0.3854 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 13.2571, 0.5694, 0.3854 by changing the saturation by 10% instead.

 13.2571, 0.5694,
0.3854


 13.2571, 0.5694,
0.3854


 212.5589, 0.4254,
0.3728


 7.6058, 0.6081,
0.3791


 31.7649, 0.5164,
0.3884

 3.8438, 0.6440,
0.3560

 45.3902, 0.4963,
0.3869

 1.5866, 0.6868,
0.3132

 62.4424, 0.4794,
0.3847

 0.3485, 0.8020,
0.1980

 83.3057, 0.4651,
0.3822

 0.0000, 1.0000,
0.0000

 108.3646, 0.4529,
0.3797

 0.0000, 0.0000,
0.0000

 138.0035, 0.4424,


0.3773

 172.6068, 0.4334,
0.3750

 13.2571, 0.5694,
0.3854


 13.2571, 0.5694,
0.3854


 13.1824, 0.5708,
0.3850

 14.7174, 0.5444,
0.3927

 16.4577, 0.5154,
0.3957

 18.5027, 0.4836,
0.3938

 20.8689, 0.4515,
0.3879

 23.5714, 0.4209,
0.3795

■ 26.6241, 0.3930,
0.3695

■ 30.0402, 0.3682,
0.3589

■ 33.8318, 0.3466,
0.3483

■ 38.0107, 0.3279,
0.3381

Harmonies

Analogous

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



13.2571, 0.5570, 0.3059



13.2571, 0.5694, 0.3854



13.2571, 0.5010, 0.4791

Triad

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



13.2571, 0.5694, 0.3854



13.2571, 0.1722, 0.4485



13.2571, 0.1879, 0.1476

Complementary

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



13.2571, 0.5694, 0.3854



13.3589, 0.1880, 0.1962

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.



13.2571, 0.1272, 0.1477



13.2571, 0.5694, 0.3854



13.2571, 0.1159, 0.2800

Square

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



13.2571, 0.5694, 0.3854



13.2571, 0.2745, 0.5851



13.2571, 0.1045, 0.1844



13.2571, 0.2981, 0.1772

Rectangle

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



13.2571, 0.5694, 0.3854



13.2571, 0.4306, 0.5434



13.2571, 0.1045, 0.1844



13.2571, 0.1627, 0.1442

Sweetspot

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



13.2579, 0.5694, 0.3854



53.7882, 0.3708, 0.3601



10.0938, 0.4456, 0.2232



11.3743, 0.3808, 0.3645



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.



13.2579, 0.5694, 0.3854



23.5100, 0.5738, 0.3826



32.0441, 0.4410, 0.4877



8.5127, 0.3277, 0.3380



9.6721, 0.5688, 0.3865



0.3775, 0.5134, 0.4305

Inverse Universe

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



13.3589, 0.1880, 0.1962



23.6330, 0.1869, 0.1929



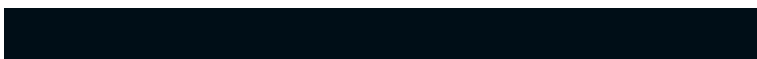
3.6043, 0.1528, 0.0695



8.5352, 0.2986, 0.3199



9.7469, 0.1881, 0.1970



0.3737, 0.2004, 0.2415

Previews

White Background



This preview shows how the Yxy color 13.2571, 0.5694, 0.3854 looks on a white background.

Color Contrast Check

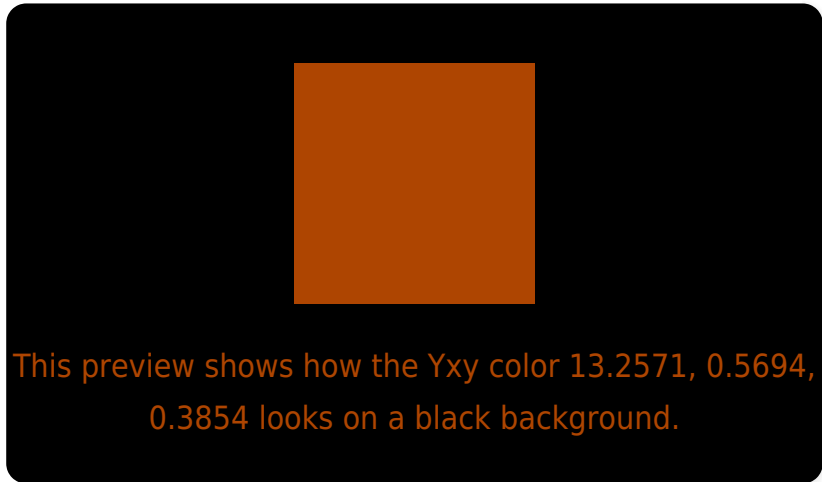
Large Text (above 18pt) WCAG AA ✓ Pass

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

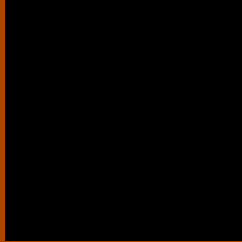
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.2571, 0.5694, 0.3854

Background



This preview shows how black text looks on a background with the Yxy color 13.2571, 0.5694, 0.3854.



This preview shows how white text looks on a background with the Yxy color 13.2571, 0.5694, 0.3854.

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

13.2571, 0.5694, 0.3854

Protanopia

13.4540, 0.4326, 0.4789

Deuteranopia

13.4812, 0.4690, 0.4658



Tritanopia

13.3143, 0.5064, 0.3244

Trichromacy



Original Color

13.2571, 0.5694, 0.3854

Protanomaly

12.8247, 0.4870, 0.4424

Deuteranomaly

12.9274, 0.5108, 0.4326

Tritanomaly

13.1922, 0.5406, 0.3552

Monochromacy



Original Color

13.2571, 0.5694, 0.3854

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.8045, 0.4208, 0.3785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2571, 0.5694, 0.3854 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, 69, 1)` looks like.

```
.text, #text, p{  
    color:rgb(174, 69, 1)  
}
```

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, 69, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 69, 1) }
```

Border

The CSS property to change the border of an element to Yxy 13.2571, 0.5694, 0.3854 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, 69, 1) }
```

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

```
.border{ border-color:rgb(174, 69, 1) }
```

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

Here you see how a box with a 4 pixel rgb(174, 69, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 69, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 69, 1);  
box-shadow:4px 4px 4px 4px rgb(174, 69, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.2571, 0.5694, 0.3854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 69, 1) }
```

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

```
.background{ background-color: rgb(174, 69,  
1) }
```

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