

Converting Colors

$Y_{xy}(13.8244, 0.5319, 0.4465)$

Have a look what the booklet for
Yxy(13.8244, 0.5319, 0.4465)
contains.

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Color

Yxy(13.9171, 0.5152, 0.4291)

Conversions

Conversions Part 1

Format	Color
Hex	995900
RGB	153, 89, 0
RGB Percent	60%, 35%, 0%
CMY	0.4000, 0.6510, 0.9999
CMYK	0.00, 0.42, 1.00, 0.40
HSL	35°, 100%, 30%
HSV	35°, 100%, 60%
XYZ	16.7096, 13.9171, 1.8065
YIQ	97.9900, 66.7130, -14.1110

Conversions

Conversions Part 2

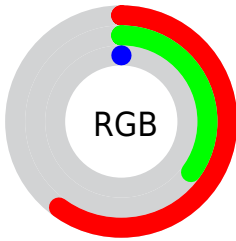
Format	Color
R_{YB}	110, 153, 0
Decimal	10049792
CIE Lab	44.11, 20.99, 52.63
CIE LCh	44, 56.664, 68.260
Yxy	13.9171, 0.5152, 0.4291
Android (android.graphics.Color)	4288239872 (0xFF995900)
YUV	97.9900, -48.3091, 48.2438
Hunter-Lab	37.3056, 14.6673, 23.2428

Details

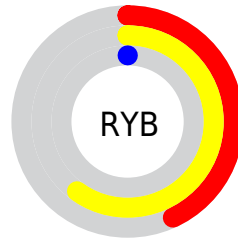
The Yxy color **13.9171, 0.5152, 0.4291** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.9709, 0.1707, 0.1343**, and the grayscale version is **12.3232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9271, 0.4748, 0.4173**, and **4.2146, 0.5461, 0.4046** is the 20% darker color. If you saturate the color by 10%, you get **13.9151, 0.5152, 0.4291**, and if you desaturate by 10%, it is **15.0654, 0.4976, 0.4319**.

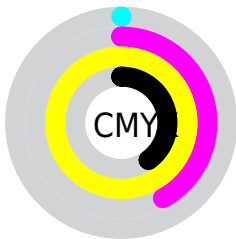
Distribution



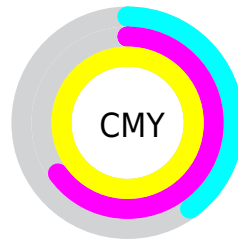
- Red (60%)
- Green (35%)
- Blue (0%)



- Red (43%)
- Yellow (60%)
- Blue (0%)



- Cyan (0%)
- Magenta (42%)
- Yellow (100%)
- Black (40%)





- Cyan (40%)
- Magenta (65%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9171, 0.5152, 0.4291 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 13.9171, 0.5152, 0.4291 by changing the saturation by 10% instead.


 13.9171, 0.5152,
0.4291


 13.9171, 0.5152,
0.4291


 216.7145, 0.4029,
0.3851


 8.0630, 0.5437,
0.4331


 32.9419, 0.4742,
0.4179


 4.1353, 0.5727,
0.4273

 46.8813, 0.4584,
0.4119


 1.7495, 0.5984,
0.4016

 64.2848, 0.4452,
0.4062

 0.4554, 0.6758,
0.3242


 85.5365, 0.4340,
0.4011


 0.0000, 0.0000,
0.0000


 111.0209, 0.4245,
0.3964


 141.1225, 0.4163,


0.3922


 176.2255, 0.4091,
0.3885


 13.9171, 0.5152,
0.4291


 13.9171, 0.5152,
0.4291


 13.9151, 0.5152,
0.4291

 15.0654, 0.4976,
0.4319

 16.3341, 0.4777,
0.4308

 17.7381, 0.4554,
0.4248

 19.2843, 0.4319,
0.4150

 20.9789, 0.4085,
0.4024

■ 22.8275, 0.3859,
0.3880

■ 24.8353, 0.3649,
0.3729

■ 27.0072, 0.3456,
0.3578

■ 29.3477, 0.3282,
0.3430

Harmonies

Analogous

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



13.9171, 0.5376, 0.3516



13.9171, 0.5152, 0.4291



13.9171, 0.4386, 0.5079

Triad

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



13.9171, 0.5152, 0.4291



13.9171, 0.1620, 0.3542



13.9171, 0.2498, 0.1795

Complementary

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



13.9171, 0.5152, 0.4291



5.9709, 0.1707, 0.1343

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.



13.9171, 0.1730, 0.1659



13.9171, 0.5152, 0.4291



13.9171, 0.1301, 0.2409

Square

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



13.9171, 0.5152, 0.4291



13.9171, 0.2365, 0.4918



13.9171, 0.1349, 0.1828



13.9171, 0.3639, 0.2198

Rectangle

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



13.9171, 0.5152, 0.4291



13.9171, 0.3729, 0.5445



13.9171, 0.1349, 0.1828



13.9171, 0.2195, 0.1719

Sweetspot

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



13.9178, 0.5152, 0.4291



44.2463, 0.3661, 0.3739



7.1703, 0.5206, 0.2642



9.4583, 0.3741, 0.3797



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



13.9178, 0.5152, 0.4291



24.5464, 0.5176, 0.4272



28.6049, 0.4079, 0.5143



6.7894, 0.3270, 0.3419



11.5674, 0.5143, 0.4298



0.2447, 0.4652, 0.4688

Inverse Universe

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



5.9709, 0.1707, 0.1343



10.3385, 0.1697, 0.1309



2.3668, 0.1526, 0.0614



6.4298, 0.2989, 0.3157



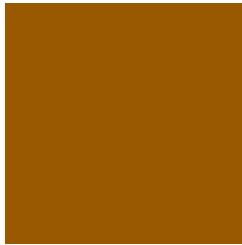
4.9958, 0.1710, 0.1356



0.1442, 0.1934, 0.2164

Previews

White Background



This preview shows how the Yxy color 13.9171, 0.5152, 0.4291 looks on a white background.

Color Contrast Check

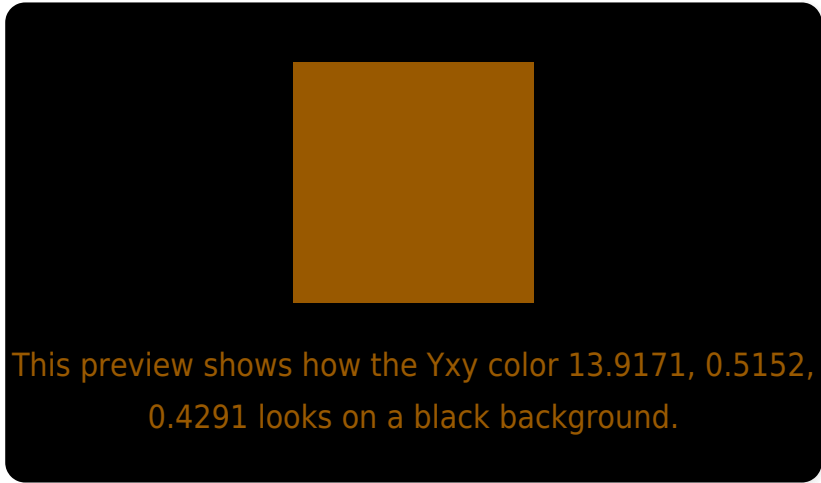
Large Text (above 18pt) WCAG AA ✓ Pass

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

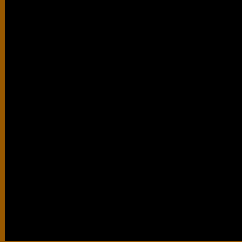
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9171, 0.5152, 0.4291

Background



This preview shows how black text looks on a background with the Yxy color 13.9171, 0.5152, 0.4291.



This preview shows how white text looks on a background with the Yxy color 13.9171, 0.5152, 0.4291.

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

13.9171, 0.5152, 0.4291

Protanopia

13.9812, 0.4348, 0.4829

Deuteranopia

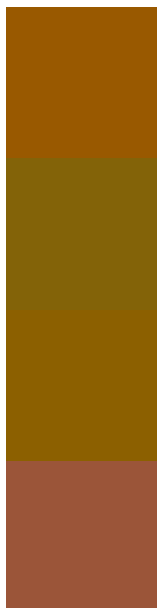
14.1009, 0.4696, 0.4653



Tritanopia

13.9757, 0.4253, 0.3194

Trichromacy



Original Color

13.9171, 0.5152, 0.4291

Protanomaly

13.7665, 0.4655, 0.4621

Deuteranomaly

13.9412, 0.4863, 0.4521

Tritanomaly

13.7610, 0.4748, 0.3732

Monochromacy



Original Color

13.9171, 0.5152, 0.4291

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.3838, 0.3997, 0.3981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9171, 0.5152, 0.4291 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(153, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 89, 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(153, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 89, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.9171, 0.5152, 0.4291 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(153, 89, 0) }
```

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

```
.border{ border-color:rgb(153, 89, 0) }
```

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

Here you see how a box with a 4 pixel rgb(153, 89, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 89, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.9171, 0.5152, 0.4291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 89, 0) }
```

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

```
.background{ background-color: rgb(153, 89,  
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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