

Converting Colors

$Y_{xy}(13.5786, 0.4975, 0.4128)$

Have a look what the booklet for
Yxy(13.5786, 0.4975, 0.4128)
contains.

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Color

Yxy(13.5522, 0.4972, 0.4137)

Conversions

Conversions Part 1

Format	Color
Hex	96581D
RGB	150, 88, 29
RGB Percent	59%, 35%, 11%
CMY	0.4118, 0.6549, 0.8863
CMYK	0.00, 0.41, 0.81, 0.41
HSL	29°, 68%, 35%
HSV	29°, 81%, 59%
XYZ	16.2875, 13.5522, 2.9188
YIQ	99.8120, 55.8910, -5.2050

Conversions

Conversions Part 2

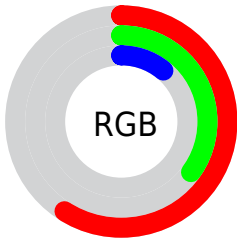
Format	Color
R_{YB}	150, 144, 29
Decimal	9852957
CIE _{Lab}	43.58, 20.89, 42.87
CIE _{LCh}	44, 47.695, 64.018
Yxy	13.5522, 0.4972, 0.4137
Android (android.graphics.Color)	4288043037 (0xFF96581D)
YUV	99.8120, -34.9103, 44.0149
Hunter-Lab	36.8133, 14.5515, 21.0684

Details

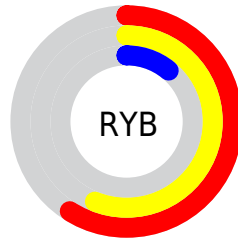
The Yxy color **13.5522, 0.4972, 0.4137** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.9386, 0.1952, 0.1990**, and the grayscale version is **12.7738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2823, 0.4564, 0.4008**, and **4.0356, 0.5460, 0.4047** is the 20% darker color. If you saturate the color by 10%, you get **12.3002, 0.5214, 0.4125**, and if you desaturate by 10%, it is **14.9747, 0.4705, 0.4100**.

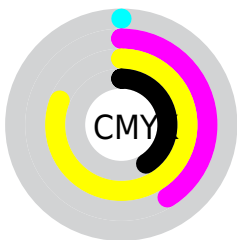
Distribution



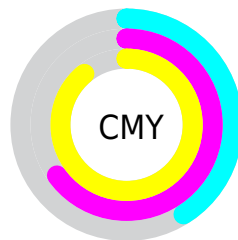
- Red (59%)
- Green (35%)
- Blue (11%)



- Red (59%)
- Yellow (56%)
- Blue (11%)



- Cyan (0%)
- Magenta (41%)
- Yellow (81%)
- Black (41%)





- Cyan (41%)
- Magenta (65%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5522, 0.4972, 0.4137 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 13.5522, 0.4972, 0.4137 by changing the saturation by 10% instead.


 13.5522, 0.4972,
0.4137


 13.5522, 0.4972,
0.4137


214.4270, 0.3907,
0.3736


 7.8099, 0.5256,
0.4180

 32.2923, 0.4560,
0.4018


 3.9735, 0.5734,
0.4266

 46.0589, 0.4411,
0.3962

 1.6588, 0.5998,
0.4002

 63.2691, 0.4288,
0.3912

 0.3967, 0.6912,
0.3088

 84.3072, 0.4186,
0.3868

 0.0000, 0.0000,
0.0000

 109.5576, 0.4100,
0.3829

 139.4048, 0.4026,

0.3794

174.2331, 0.3962,
0.3763

13.5522, 0.4972,
0.4137

13.5522, 0.4972,
0.4137

12.3002, 0.5214,
0.4125

14.9747, 0.4705,
0.4100

11.2697, 0.5419,
0.4080

16.5741, 0.4430,
0.4023

18.3588, 0.4162,
0.3918

20.3360, 0.3911,
0.3798

22.5123, 0.3682,
0.3670

■ 24.8938, 0.3477,
0.3541

■ 27.4866, 0.3296,
0.3416

■ 30.2963, 0.3137,
0.3298

■ 33.3282, 0.2998,
0.3187

Harmonies

Analogous

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



13.5522, 0.5032, 0.3446



13.5522, 0.4972, 0.4137



13.5522, 0.4389, 0.4802

Triad

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



13.5522, 0.4972, 0.4137



13.5522, 0.1895, 0.3686



13.5522, 0.2473, 0.1934

Complementary

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



13.5522, 0.4972, 0.4137



9.9386, 0.1952, 0.1990

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.



13.5522, 0.1830, 0.1852



13.5522, 0.4972, 0.4137



13.5522, 0.1534, 0.2665

Square

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



13.5522, 0.4972, 0.4137



13.5522, 0.2617, 0.4762



13.5522, 0.1523, 0.2067



13.5522, 0.3427, 0.2269

Rectangle

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



13.5522, 0.4972, 0.4137



13.5522, 0.3833, 0.5105



13.5522, 0.1523, 0.2067



13.5522, 0.2220, 0.1877

Sweetspot

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



13.5529, 0.4972, 0.4137



42.2992, 0.3552, 0.3590



8.1251, 0.4410, 0.2401



9.0744, 0.3619, 0.3631



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



13.5529, 0.4972, 0.4137



20.1003, 0.5386, 0.4077



27.7426, 0.4145, 0.4918



6.2544, 0.3271, 0.3398



9.4123, 0.5407, 0.4088



0.1738, 0.4788, 0.4581

Inverse Universe

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



9.9386, 0.1952, 0.1990



13.4460, 0.1802, 0.1665



3.4428, 0.1662, 0.0880



6.0947, 0.2989, 0.3179



6.2732, 0.1794, 0.1658



0.1358, 0.2005, 0.2418

Previews

White Background



This preview shows how the Yxy color 13.5522, 0.4972, 0.4137 looks on a white background.

Color Contrast Check

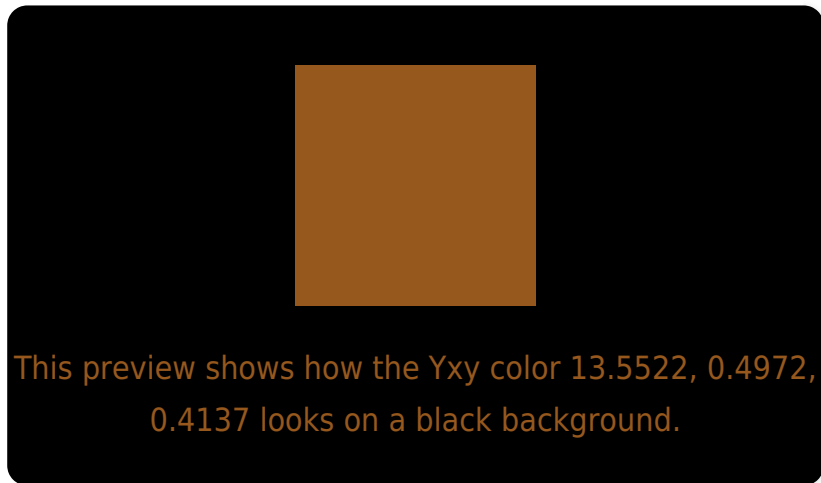
Large Text (above 18pt) WCAG AA ✓ Pass

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

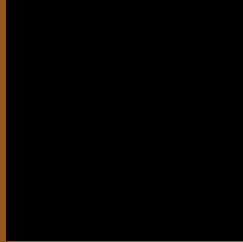
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5522, 0.4972, 0.4137

Background



This preview shows how black text looks on a background with the Yxy color 13.5522, 0.4972, 0.4137.



This preview shows how white text looks on a background with the Yxy color 13.5522, 0.4972, 0.4137.

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

13.5522, 0.4972, 0.4137

Protanopia

13.7234, 0.4201, 0.4639

Deuteranopia

13.5514, 0.4566, 0.4500



Tritanopia

13.5115, 0.4233, 0.3192

Trichromacy



Original Color

13.5522, 0.4972, 0.4137

Protanomaly

13.4288, 0.4480, 0.4446

Deuteranomaly

13.3984, 0.4725, 0.4364

Tritanomaly

13.4213, 0.4562, 0.3574

Monochromacy



Original Color

13.5522, 0.4972, 0.4137

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.7117, 0.3807, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5522, 0.4972, 0.4137 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(150, 88, 29)` looks like.

```
.text, #text, p{  
    color:rgb(150, 88, 29)  
}
```

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(150, 88, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 88, 29) }
```

Border

The CSS property to change the border of an element to Yxy 13.5522, 0.4972, 0.4137 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(150, 88, 29) }
```

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

```
.border{ border-color:rgb(150, 88, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 88, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 88, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 88, 29);  
box-shadow:4px 4px 4px 4px rgb(150, 88,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5522, 0.4972, 0.4137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 88, 29) }
```

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

```
.background{ background-color: rgb(150, 88,  
29) }
```

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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