

Converting Colors

$Y_{xy}(13.1597, 0.4457, 0.3932)$

Have a look what the booklet for
Yxy(13.1597, 0.4457, 0.3932)
contains.

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Color

Yxy(13.1613, 0.4459, 0.3936)

Conversions

Conversions Part 1

Format	Color
Hex	8A5B37
RGB	138, 91, 55
RGB Percent	54%, 36%, 22%
CMY	0.4589, 0.6431, 0.7844
CMYK	0.00, 0.34, 0.60, 0.46
HSL	26°, 43%, 38%
HSV	26°, 60%, 54%
XYZ	14.9101, 13.1613, 5.3668
YIQ	100.9490, 39.5680, -1.2320

Conversions

Conversions Part 2

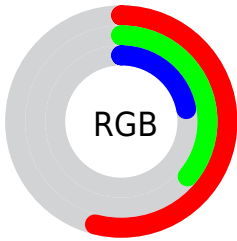
Format	Color
R_{YB}	138, 119, 55
Decimal	9067319
CIE _{Lab}	43.01, 15.33, 28.40
CIE _{LCh}	43, 32.275, 61.647
Yxy	13.1613, 0.4459, 0.3936
Android (android.graphics.Color)	4287257399 (0xFF8A5B37)
YUV	100.9490, -22.6529, 32.4937
Hunter-Lab	36.2785, 9.8744, 16.6239

Details

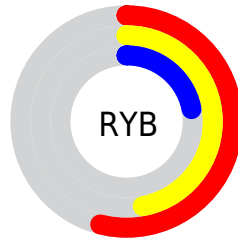
The Yxy color **13.1613, 0.4459, 0.3936** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.1415, 0.2233, 0.2485**, and the grayscale version is **13.0520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4984, 0.4132, 0.3803**, and **3.8322, 0.5057, 0.4084** is the 20% darker color. If you saturate the color by 10%, you get **11.7810, 0.4755, 0.4004**, and if you desaturate by 10%, it is **14.7189, 0.4175, 0.3843**.

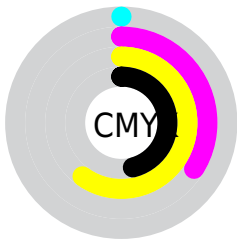
Distribution



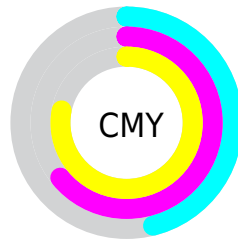
- Red (54%)
- Green (36%)
- Blue (22%)



- Red (54%)
- Yellow (47%)
- Blue (22%)



- Cyan (0%)
- Magenta (34%)
- Yellow (60%)
- Black (46%)





- Cyan (46%)
- Magenta (64%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1613, 0.4459, 0.3936 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 13.1613, 0.4459, 0.3936 by changing the saturation by 10% instead.


 13.1613, 0.4459,
0.3936


 13.1613, 0.4459,
0.3936


211.9488, 0.3661,
0.3589

 7.5397, 0.4707,
0.4014


 31.5933, 0.4133,
0.3810


 3.8019, 0.5057,
0.4095

 45.1724, 0.4021,
0.3762

 1.5634, 0.5735,
0.4265

 62.1729, 0.3932,
0.3721

 0.3327, 0.6748,
0.3252

 82.9791, 0.3858,
0.3687

 0.0000, 0.0000,
0.0000

 107.9754, 0.3797,
0.3657

 137.5462, 0.3745,

0.3631

172.0759, 0.3700,
0.3609

■ 13.1613, 0.4459,
0.3936

■ 13.1613, 0.4459,
0.3936

■ 11.7810, 0.4755,
0.4004

■ 14.7189, 0.4175,
0.3843

■ 10.5686, 0.5048,
0.4034

■ 16.4587, 0.3913,
0.3735

■ 9.5167, 0.5318,
0.4017

■ 18.3878, 0.3677,
0.3621

■ 8.6226, 0.5561,
0.3966

■ 20.5123, 0.3469,
0.3506

■ 22.8378, 0.3287,
0.3396

■ 25.3700, 0.3129,
0.3292

■ 28.1140, 0.2993,
0.3194

■ 31.0749, 0.2874,
0.3104

■ 34.2576, 0.2772,
0.3021

Harmonies

Analogous

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



13.1613, 0.4423, 0.3420



13.1613, 0.4459, 0.3936



13.1613, 0.4111, 0.4373

Triad

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



13.1613, 0.4459, 0.3936



13.1613, 0.2299, 0.3634



13.1613, 0.2631, 0.2281

Complementary

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



13.1613, 0.4459, 0.3936



12.1415, 0.2233, 0.2485

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.



13.1613, 0.2160, 0.2248



13.1613, 0.4459, 0.3936



13.1613, 0.1982, 0.2939

Square

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



13.1613, 0.4459, 0.3936



13.1613, 0.2855, 0.4286



13.1613, 0.1939, 0.2458



13.1613, 0.3294, 0.2522

Rectangle

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



13.1613, 0.4459, 0.3936



13.1613, 0.3733, 0.4535



13.1613, 0.1939, 0.2458



13.1613, 0.2448, 0.2245

Sweetspot

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



13.1620, 0.4459, 0.3936



36.8623, 0.3435, 0.3487



9.0928, 0.3858, 0.2463



8.0419, 0.3485, 0.3515



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



13.1620, 0.4459, 0.3936



20.0136, 0.4856, 0.4019



22.3039, 0.4002, 0.4582



5.3824, 0.3270, 0.3385



7.9353, 0.5555, 0.3971



0.0810, 0.4886, 0.4502

Inverse Universe

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



12.1415, 0.2233, 0.2485



18.0080, 0.2070, 0.2267



5.9326, 0.2027, 0.1541



5.3311, 0.2991, 0.3193



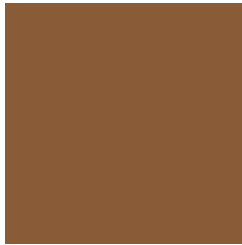
6.7209, 0.1846, 0.1845



0.0738, 0.2039, 0.2540

Previews

White Background



This preview shows how the Yxy color 13.1613, 0.4459, 0.3936 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



This preview shows how the Yxy color 13.1613, 0.4459, 0.3936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

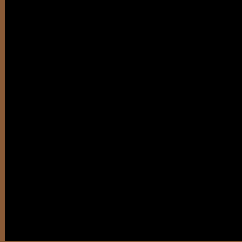
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1613, 0.4459, 0.3936

Background



This preview shows how black text looks on a background with the Yxy color 13.1613, 0.4459, 0.3936.



This preview shows how white text looks on a background with the Yxy color 13.1613, 0.4459, 0.3936.

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

13.1613, 0.4459, 0.3936

Protanopia

13.2633, 0.3875, 0.4205

Deuteranopia

13.1757, 0.4200, 0.4130



Tritanopia

13.1086, 0.3932, 0.3164

Trichromacy



Original Color

13.1613, 0.4459, 0.3936

Protanomaly

13.1058, 0.4072, 0.4100

Deuteranomaly

13.1966, 0.4302, 0.4065

Tritanomaly

13.1194, 0.4143, 0.3458

Monochromacy



Original Color

13.1613, 0.4459, 0.3936

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.7669, 0.3584, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1613, 0.4459, 0.3936 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(138, 91, 55)` looks like.

```
.text, #text, p{  
    color:rgb(138, 91, 55)  
}
```

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(138, 91, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 91, 55) }
```

Border

The CSS property to change the border of an element to Yxy 13.1613, 0.4459, 0.3936 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(138, 91, 55) }
```

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

```
.border{ border-color:rgb(138, 91, 55) }
```

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

Here you see how a box with a 4 pixel rgb(138, 91, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 91, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 91, 55);  
box-shadow:4px 4px 4px 4px rgb(138, 91,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1613, 0.4459, 0.3936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 91, 55) }
```

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

```
.background{ background-color: rgb(138, 91,  
55) }
```

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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