

Converting Colors

$Y_{xy}(14.0093, 0.4704, 0.4079)$

Have a look what the booklet for
Yxy(14.0093, 0.4704, 0.4079)
contains.

Yxy(13.9397, 0.4715, 0.4078)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.9397, 0.4715, 0.4078)

Conversions

Conversions Part 1

Format	Color
Hex	925C2B
RGB	146, 92, 43
RGB Percent	57%, 36%, 17%
CMY	0.4275, 0.6392, 0.8314
CMYK	0.00, 0.37, 0.71, 0.43
HSL	29°, 55%, 37%
HSV	29°, 71%, 57%
XYZ	16.1171, 13.9397, 4.1259
YIQ	102.5600, 47.9130, -3.7910

Conversions

Conversions Part 2

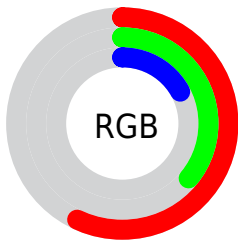
Format	Color
R_{YB}	146, 136, 43
Decimal	9591851
CIE Lab	44.15, 17.50, 36.52
CIE LCh	44, 40.500, 64.402
Yxy	13.9397, 0.4715, 0.4078
Android (android.graphics.Color)	4287781931 (0xFF925C2B)
YUV	102.5600, -29.3631, 38.0969
Hunter-Lab	37.3359, 11.7169, 19.5832

Details

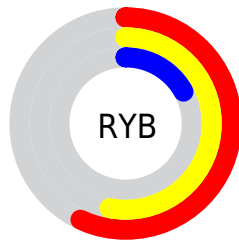
The Yxy color **13.9397, 0.4715, 0.4078** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.1359, 0.2076, 0.2210**, and the grayscale version is **13.5110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7978, 0.4344, 0.3937**, and **4.1781, 0.5293, 0.4179** is the 20% darker color. If you saturate the color by 10%, you get **12.5920, 0.4988, 0.4114**, and if you desaturate by 10%, it is **15.4611, 0.4436, 0.4003**.

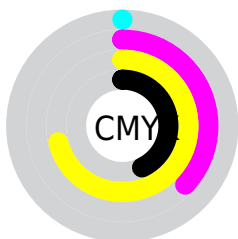
Distribution



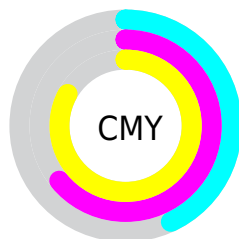
- Red (57%)
- Green (36%)
- Blue (17%)



- Red (57%)
- Yellow (53%)
- Blue (17%)



- Cyan (0%)
- Magenta (37%)
- Yellow (71%)
- Black (43%)




- Cyan (43%)
- Magenta (64%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.9397, 0.4715, 0.4078 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 13.9397, 0.4715, 0.4078 by changing the saturation by 10% instead.


 13.9397, 0.4715,
0.4078


 13.9397, 0.4715,
0.4078


216.8554, 0.3786,
0.3677


 8.0787, 0.4981,
0.4149


 32.9820, 0.4347,
0.3943


 4.1454, 0.5388,
0.4246

 46.9321, 0.4217,
0.3888


 1.7552, 0.5813,
0.4187

 64.3474, 0.4111,
0.3839

 0.4590, 0.6530,
0.3470

 85.6123, 0.4024,
0.3798

 0.0000, 0.0000,
0.0000

 111.1111, 0.3950,
0.3761

 141.2283, 0.3887,

0.3730

176.3483, 0.3833,
0.3702

■ 13.9397, 0.4715,
0.4078

■ 13.9397, 0.4715,
0.4078

■ 12.5920, 0.4988,
0.4114

■ 15.4611, 0.4436,
0.4003

■ 11.4077, 0.5236,
0.4101

■ 17.1617, 0.4164,
0.3901

■ 10.4250, 0.5450,
0.4055

■ 19.0490, 0.3911,
0.3783

■ 21.1294, 0.3680,
0.3658

■ 23.4090, 0.3475,
0.3533

■ 25.8937, 0.3294,
0.3411

■ 28.5887, 0.3135,
0.3296

■ 31.4996, 0.2997,
0.3188

■ 34.6312, 0.2877,
0.3089

Harmonies

Analogous

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



13.9397, 0.4743, 0.3469



13.9397, 0.4715, 0.4078



13.9397, 0.4235, 0.4620

Triad

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



13.9397, 0.4715, 0.4078



13.9397, 0.2071, 0.3621



13.9397, 0.2583, 0.2109

Complementary

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



13.9397, 0.4715, 0.4078



11.1359, 0.2076, 0.2210

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.



13.9397, 0.2008, 0.2039



13.9397, 0.4715, 0.4078



13.9397, 0.1741, 0.2771

Square

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



13.9397, 0.4715, 0.4078



13.9397, 0.2705, 0.4488



13.9397, 0.1727, 0.2241



13.9397, 0.3401, 0.2410

Rectangle

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



13.9397, 0.4715, 0.4078



13.9397, 0.3760, 0.4832



13.9397, 0.1727, 0.2241



13.9397, 0.2360, 0.2058

Sweetspot

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



13.9404, 0.4715, 0.4078



40.9314, 0.3492, 0.3544



8.7187, 0.4136, 0.2417



8.8825, 0.3540, 0.3574



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



13.9404, 0.4715, 0.4078



20.8922, 0.5145, 0.4112



25.8002, 0.4087, 0.4782



6.2433, 0.3271, 0.3396



9.2182, 0.5442, 0.4061



0.1712, 0.4809, 0.4564

Inverse Universe

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



11.1359, 0.2076, 0.2210



15.5852, 0.1905, 0.1919



4.5762, 0.1819, 0.1160



6.1058, 0.2989, 0.3182



6.4845, 0.1805, 0.1698



0.1384, 0.2013, 0.2446

Previews

White Background



This preview shows how the Yxy color 13.9397, 0.4715, 0.4078 looks on a white background.

Color Contrast Check

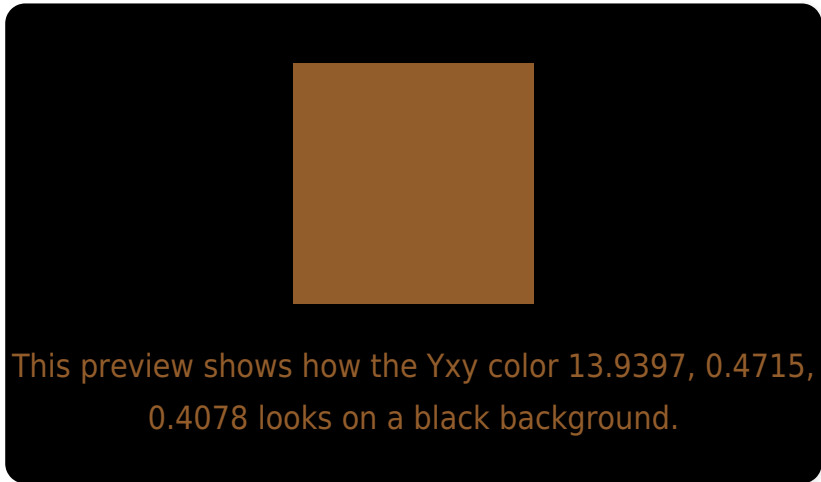
Large Text (above 18pt) WCAG AA ✓ Pass

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

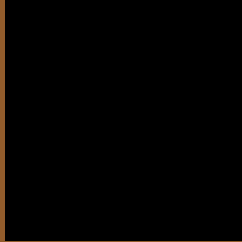
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9397, 0.4715, 0.4078

Background



This preview shows how black text looks on a background with the Yxy color 13.9397, 0.4715, 0.4078.



This preview shows how white text looks on a background with the Yxy color 13.9397, 0.4715, 0.4078.

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

13.9397, 0.4715, 0.4078

Protanopia

14.0214, 0.4052, 0.4450

Deuteranopia

14.0997, 0.4408, 0.4341



Tritanopia

13.9963, 0.4050, 0.3189

Trichromacy



Original Color

13.9397, 0.4715, 0.4078

Protanomaly

13.8236, 0.4293, 0.4299

Deuteranomaly

13.9508, 0.4513, 0.4241

Tritanomaly

13.9487, 0.4323, 0.3535

Monochromacy



Original Color

13.9397, 0.4715, 0.4078

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.4397, 0.3698, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9397, 0.4715, 0.4078 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(146, 92, 43)` looks like.

```
.text, #text, p{  
    color:rgb(146, 92, 43)  
}
```

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(146, 92, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 92, 43) }
```

Border

The CSS property to change the border of an element to Yxy 13.9397, 0.4715, 0.4078 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(146, 92, 43) }
```

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

```
.border{ border-color:rgb(146, 92, 43) }
```

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

Here you see how a box with a 4 pixel rgb(146, 92, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 92, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 92, 43);  
box-shadow:4px 4px 4px 4px rgb(146, 92,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9397, 0.4715, 0.4078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 92, 43) }
```

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

```
.background{ background-color: rgb(146, 92,  
43) }
```

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