

Converting Colors

$Y_{xy}(14.4607, 0.4478, 0.4243)$

Have a look what the booklet for
Yxy(14.4607, 0.4478, 0.4243)
contains.

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Color

Yxy(14.4239, 0.4478, 0.4240)

Conversions

Conversions Part 1

Format	Color
Hex	89632C
RGB	137, 99, 44
RGB Percent	54%, 39%, 17%
CMY	0.4627, 0.6118, 0.8276
CMYK	0.00, 0.28, 0.68, 0.46
HSL	35°, 51%, 35%
HSV	35°, 68%, 54%
XYZ	15.2335, 14.4239, 4.3612
YIQ	104.0920, 40.3030, -9.0490

Conversions

Conversions Part 2

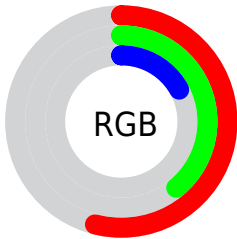
Format	Color
RYB	108, 137, 44
Decimal	9003820
CIELab	44.83, 9.38, 36.46
CIELCh	45, 37.645, 75.575
Yxy	14.4239, 0.4478, 0.4240
Android (android.graphics.Color)	4287193900 (0xFF89632C)
YUV	104.0920, -29.6254, 28.8603
Hunter-Lab	37.9788, 5.1346, 19.7768

Details

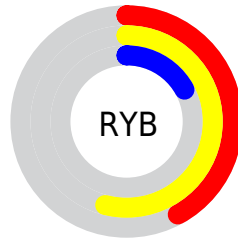
The Yxy color **14.4239, 0.4478, 0.4240** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.3726, 0.2051, 0.2004**, and the grayscale version is **13.9419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9229, 0.4167, 0.4058**, and **4.4310, 0.4951, 0.4451** is the 20% darker color. If you saturate the color by 10%, you get **13.3140, 0.4699, 0.4313**, and if you desaturate by 10%, it is **15.6427, 0.4249, 0.4132**.

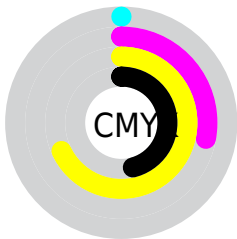
Distribution



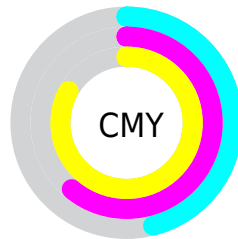
- Red (54%)
- Green (39%)
- Blue (17%)



- Red (42%)
- Yellow (54%)
- Blue (17%)



- Cyan (0%)
- Magenta (28%)
- Yellow (68%)
- Black (46%)




- Cyan (46%)
- Magenta (61%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4239, 0.4478, 0.4240 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 14.4239, 0.4478, 0.4240 by changing the saturation by 10% instead.


 14.4239, 0.4478,
0.4240


 14.4239, 0.4478,
0.4240


 219.8522, 0.3696,
0.3725


 8.4161, 0.4697,
0.4358


 33.8393, 0.4171,
0.4052


 4.3623, 0.5020,
0.4520

 48.0157, 0.4062,
0.3981

 1.8782, 0.5384,
0.4616

 65.6837, 0.3973,
0.3920

 0.5352, 0.5795,
0.4205

 87.2278, 0.3898,
0.3869

 0.0000, 0.0000,
0.0000

 113.0322, 0.3836,
0.3825

 143.4815, 0.3782,

0.3787

178.9601, 0.3736,
0.3754

■ 14.4239, 0.4478,
0.4240

■ 14.4239, 0.4478,
0.4240

■ 13.3140, 0.4699,
0.4313

■ 15.6427, 0.4249,
0.4132

■ 12.3060, 0.4899,
0.4340

■ 16.9728, 0.4021,
0.3999

■ 11.3917, 0.5076,
0.4326

■ 18.4190, 0.3803,
0.3853

■ 11.2095, 0.5114,
0.4322

■ 19.9851, 0.3600,
0.3700

■ 21.6747, 0.3414,
0.3548

■ 23.4911, 0.3247,
0.3401

■ 25.4376, 0.3097,
0.3261

■ 27.5172, 0.2964,
0.3131

■ 29.7329, 0.2846,
0.3009

Harmonies

Analogous

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



14.4239, 0.4666, 0.3684



14.4239, 0.4478, 0.4240



14.4239, 0.3930, 0.4652

Triad

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



14.4239, 0.4478, 0.4240



14.4239, 0.1999, 0.3286



14.4239, 0.2891, 0.2269

Complementary

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



14.4239, 0.4478, 0.4240



8.3726, 0.2051, 0.2004

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.



14.4239, 0.2257, 0.2119



14.4239, 0.4478, 0.4240



14.4239, 0.1796, 0.2597

Square

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



14.4239, 0.4478, 0.4240



14.4239, 0.2498, 0.4117



14.4239, 0.1887, 0.2214



14.4239, 0.3684, 0.2623

Rectangle

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



14.4239, 0.4478, 0.4240



14.4239, 0.3454, 0.4721



14.4239, 0.1887, 0.2214



14.4239, 0.2653, 0.2194

Sweetspot

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



14.4246, 0.4478, 0.4240



38.0222, 0.3460, 0.3587



7.7388, 0.4334, 0.2627



8.3623, 0.3504, 0.3623



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.



14.4246, 0.4478, 0.4240



22.9366, 0.4800, 0.4332



22.7623, 0.3930, 0.4837



5.5079, 0.3267, 0.3419



10.4643, 0.5110, 0.4325



0.0984, 0.4624, 0.4711

Inverse Universe

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



8.3726, 0.2051, 0.2004



11.3983, 0.1862, 0.1677



4.3285, 0.1932, 0.1226



5.2059, 0.2991, 0.3157



4.3365, 0.1705, 0.1336



0.0564, 0.1932, 0.2156

Previews

White Background



This preview shows how the Yxy color 14.4239, 0.4478, 0.4240 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 14.4239, 0.4478, 0.4240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

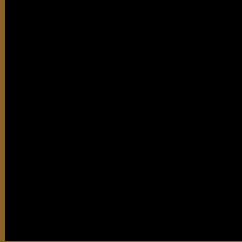
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.4239, 0.4478, 0.4240

Background



This preview shows how black text looks on a background with the Yxy color 14.4239, 0.4478, 0.4240.



This preview shows how white text looks on a background with the Yxy color 14.4239, 0.4478, 0.4240.

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

14.4239, 0.4478, 0.4240

Protanopia

14.5642, 0.4070, 0.4483

Deuteranopia

14.3873, 0.4388, 0.4322



Tritanopia

14.4115, 0.3777, 0.3164

Trichromacy



Original Color

14.4239, 0.4478, 0.4240

Protanomaly

14.4501, 0.4223, 0.4396

Deuteranomaly

14.3571, 0.4431, 0.4291

Tritanomaly

14.3391, 0.4070, 0.3568

Monochromacy



Original Color

14.4239, 0.4478, 0.4240

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.8249, 0.3619, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4239, 0.4478, 0.4240 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(137, 99, 44)` looks like.

```
.text, #text, p{  
    color:rgb(137, 99, 44)  
}
```

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(137, 99, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 99, 44) }
```

Border

The CSS property to change the border of an element to Yxy 14.4239, 0.4478, 0.4240 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(137, 99, 44) }
```

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

```
.border{ border-color:rgb(137, 99, 44) }
```

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

Here you see how a box with a 4 pixel rgb(137, 99, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 99, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 99, 44);  
box-shadow:4px 4px 4px 4px rgb(137, 99,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 14.4239, 0.4478, 0.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 99, 44) }
```

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

```
.background{ background-color: rgb(137, 99,  
44) }
```

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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