

Converting Colors

$Y_{xy}(12.7514, 0.5233, 0.4767)$

Have a look what the booklet for
Yxy(12.7514, 0.5233, 0.4767)
contains.

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Color

Yxy(12.9711, 0.4944, 0.4457)

Conversions

Conversions Part 1

Format	Color
Hex	8B5B00
RGB	139, 91, 0
RGB Percent	55%, 36%, 0%
CMY	0.4549, 0.6431, 1.0000
CMYK	0.00, 0.35, 1.00, 0.45
HSL	39°, 100%, 27%
HSV	39°, 100%, 55%
XYZ	14.3884, 12.9711, 1.7433
YIQ	94.9780, 57.8190, -18.1250

Conversions

Conversions Part 2

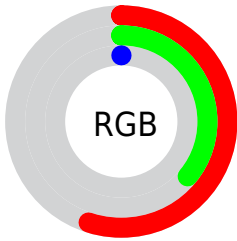
Format	Color
RYB	73, 139, 0
Decimal	9132800
CIELab	42.72, 13.38, 50.83
CIELCh	43, 52.563, 75.258
Yxy	12.9711, 0.4944, 0.4457
Android (android.graphics.Color)	4287322880 (0xFF8B5B00)
YUV	94.9780, -46.8242, 38.6073
Hunter-Lab	36.0154, 8.2850, 22.3410

Details

The Yxy color **12.9711, 0.4944, 0.4457** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.9778, 0.1653, 0.1150**, and the grayscale version is **11.5427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2256, 0.4575, 0.4288**, and **3.7158, 0.5178, 0.4270** is the 20% darker color. If you saturate the color by 10%, you get **12.9719, 0.4944, 0.4457**, and if you desaturate by 10%, it is **13.8505, 0.4797, 0.4462**.

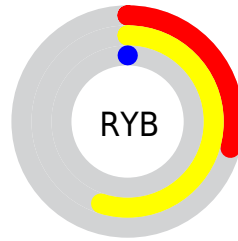
Distribution



Red (55%)

Green (36%)

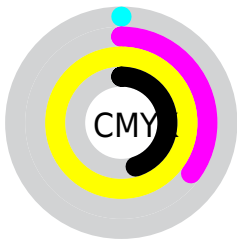
Blue (0%)



Red (29%)

Yellow (55%)

Blue (0%)

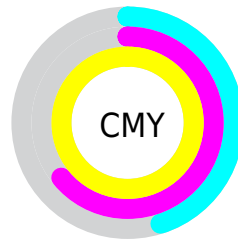


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (45%)



Cyan (45%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9711, 0.4944, 0.4457 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 12.9711, 0.4944, 0.4457 by changing the saturation by 10% instead.


 12.9711, 0.4944,
0.4457


 12.9711, 0.4944,
0.4457


 210.7324, 0.3931,
0.3887


 7.4086, 0.5208,
0.4553


 31.2519, 0.4574,
0.4285


 3.7190, 0.5450,
0.4550

 44.7389, 0.4432,
0.4206


 1.5176, 0.5639,
0.4361

 61.6364, 0.4312,
0.4135

 0.3011, 0.6705,
0.3295

 82.3285, 0.4211,
0.4072

 0.0000, 0.0000,
0.0000

 107.1998, 0.4125,
0.4017

 136.6346, 0.4051,

0.3969

■ 171.0173, 0.3987,
0.3926

■ 12.9711, 0.4944,
0.4457

■ 12.9711, 0.4944,
0.4457

■ 12.9719, 0.4944,
0.4457

■ 13.8505, 0.4797,
0.4462

■ 14.8025, 0.4632,
0.4432

■ 15.8396, 0.4442,
0.4356

■ 16.9664, 0.4239,
0.4243

■ 18.1870, 0.4030,
0.4102

■ 19.5052, 0.3825,
0.3944

■ 20.9244, 0.3629,
0.3778

■ 22.4477, 0.3447,
0.3610

■ 24.0782, 0.3279,
0.3446

Harmonies

Analogous

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



12.9711, 0.5291, 0.3697



12.9711, 0.4944, 0.4457



12.9711, 0.4143, 0.5159

Triad

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



12.9711, 0.4944, 0.4457



12.9711, 0.1575, 0.3242



12.9711, 0.2757, 0.1920

Complementary

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



12.9711, 0.4944, 0.4457



3.9778, 0.1653, 0.1150

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.



12.9711, 0.1924, 0.1725



12.9711, 0.4944, 0.4457



12.9711, 0.1349, 0.2281

Square

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



12.9711, 0.4944, 0.4457



12.9711, 0.2208, 0.4552



12.9711, 0.1469, 0.1819



12.9711, 0.3895, 0.2366

Rectangle

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



12.9711, 0.4944, 0.4457



12.9711, 0.3491, 0.5388



12.9711, 0.1469, 0.1819



12.9711, 0.2437, 0.1825

Sweetspot

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



12.9719, 0.4944, 0.4457



37.2999, 0.3642, 0.3789



5.7079, 0.5520, 0.2814



8.3726, 0.3714, 0.3851



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



12.9719, 0.4944, 0.4457



22.9127, 0.4964, 0.4441



22.3277, 0.3937, 0.5256



5.5590, 0.3266, 0.3433



11.7402, 0.4940, 0.4460



0.1054, 0.4538, 0.4779

Inverse Universe

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



3.9778, 0.1653, 0.1150



6.8399, 0.1643, 0.1113



2.0219, 0.1574, 0.0641



5.1563, 0.2991, 0.3143



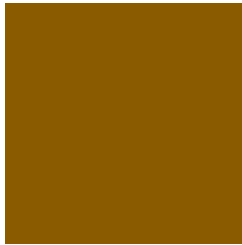
3.6198, 0.1655, 0.1158



0.0494, 0.1882, 0.1976

Previews

White Background



This preview shows how the Yxy color 12.9711, 0.4944, 0.4457 looks on a white background.

Color Contrast Check

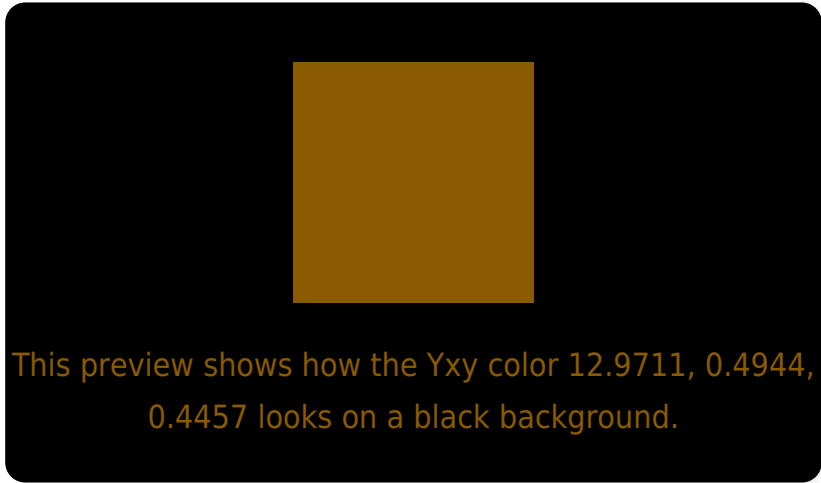
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9711, 0.4944, 0.4457

Background



This preview shows how black text looks on a background with the Yxy color 12.9711, 0.4944, 0.4457.



This preview shows how white text looks on a background with the Yxy color 12.9711, 0.4944, 0.4457.

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

12.9711, 0.4944, 0.4457

Protanopia

13.1021, 0.4343, 0.4845

Deuteranopia

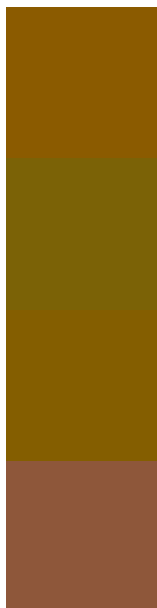
12.9549, 0.4698, 0.4652



Tritanopia

13.0920, 0.4005, 0.3184

Trichromacy



Original Color

12.9711, 0.4944, 0.4457

Protanomaly

12.9595, 0.4564, 0.4706

Deuteranomaly

12.9109, 0.4792, 0.4577

Tritanomaly

12.8727, 0.4524, 0.3800

Monochromacy



Original Color

12.9711, 0.4944, 0.4457

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.7112, 0.3919, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9711, 0.4944, 0.4457 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(139, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(139, 91, 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(139, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 91, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.9711, 0.4944, 0.4457 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(139, 91, 0) }
```

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

```
.border{ border-color:rgb(139, 91, 0) }
```

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

Here you see how a box with a 4 pixel rgb(139, 91, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 91, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 91, 0);  
box-shadow:4px 4px 4px 4px rgb(139, 91, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9711, 0.4944, 0.4457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 91, 0) }
```

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

```
.background{ background-color: rgb(139, 91,  
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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