

Converting Colors

$Y_{xy}(11.5524, 0.5222, 0.4702)$

Have a look what the booklet for
Yxy(11.5524, 0.5222, 0.4702)
contains.

Yxy(11.7239, 0.4975, 0.4432)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.7239, 0.4975, 0.4432)

Conversions

Conversions Part 1

Format	Color
Hex	865600
RGB	134, 86, 0
RGB Percent	53%, 34%, 0%
CMY	0.4745, 0.6627, 1.0000
CMYK	0.00, 0.36, 1.00, 0.47
HSL	39°, 100%, 26%
HSV	39°, 100%, 53%
XYZ	13.1603, 11.7239, 1.5687
YIQ	90.5480, 56.2140, -16.5700

Conversions

Conversions Part 2

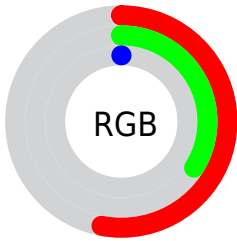
Format	Color
R_{YB}	75, 134, 0
Decimal	8803840
CIE _{Lab}	40.77, 13.95, 49.22
CIE _{LCh}	41, 51.161, 74.171
Yxy	11.7239, 0.4975, 0.4432
Android (android.graphics.Color)	4286993920 (0xFF865600)
YUV	90.5480, -44.6402, 38.1074
Hunter-Lab	34.2402, 8.6866, 21.2519

Details

The Yxy color **11.7239, 0.4975, 0.4432** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.8361, 0.1664, 0.1191**, and the grayscale version is **10.4479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1102, 0.4584, 0.4266**, and **3.2481, 0.5230, 0.4229** is the 20% darker color. If you saturate the color by 10%, you get **11.7245, 0.4975, 0.4432**, and if you desaturate by 10%, it is **12.5472, 0.4821, 0.4437**.

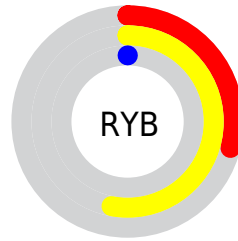
Distribution



Red (53%)

Green (34%)

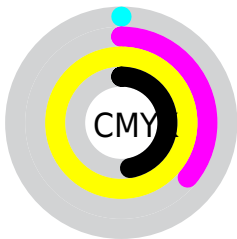
Blue (0%)



Red (29%)

Yellow (53%)

Blue (0%)

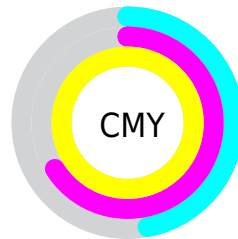


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (47%)



Cyan (47%)


Magenta (66%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7239, 0.4975, 0.4432 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 11.7239, 0.4975, 0.4432 by changing the saturation by 10% instead.


 11.7239, 0.4975,
0.4432

 11.7239, 0.4975,
0.4432


 202.5688, 0.3927,
0.3870

 6.5560, 0.5274,
0.4540


 28.9912, 0.4586,
0.4263


 3.1860, 0.5504,
0.4496


 41.8594, 0.4439,
0.4184


 1.2296, 0.5724,
0.4276


 58.0632, 0.4316,
0.4114

 0.0857, 0.8313,
0.1687


 77.9868, 0.4213,
0.4052


 0.0000, 0.0000,
0.0000


 102.0148, 0.4125,
0.3998


 130.5316, 0.4049,

0.3950

 163.9214, 0.3984,
0.3908


 11.7239, 0.4975,
0.4432

 11.7239, 0.4975,
0.4432


 11.7245, 0.4975,
0.4432

 12.5472, 0.4821,
0.4437

 13.4404, 0.4649,
0.4409

 14.4153, 0.4455,
0.4334

 15.4763, 0.4246,
0.4223

 16.6271, 0.4035,
0.4085

■ 17.8713, 0.3827,
0.3930

■ 19.2121, 0.3630,
0.3767

■ 20.6524, 0.3447,
0.3603

■ 22.1952, 0.3279,
0.3443

Harmonies

Analogous

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



11.7239, 0.5304, 0.3669



11.7239, 0.4975, 0.4432



11.7239, 0.4179, 0.5148

Triad

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



11.7239, 0.4975, 0.4432



11.7239, 0.1582, 0.3285



11.7239, 0.2718, 0.1901

Complementary

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



11.7239, 0.4975, 0.4432



3.8361, 0.1664, 0.1191

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.



11.7239, 0.1894, 0.1716



11.7239, 0.4975, 0.4432



11.7239, 0.1343, 0.2300

Square

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



11.7239, 0.4975, 0.4432



11.7239, 0.2232, 0.4606



11.7239, 0.1451, 0.1821



11.7239, 0.3856, 0.2341

Rectangle

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



11.7239, 0.4975, 0.4432



11.7239, 0.3527, 0.5398



11.7239, 0.1451, 0.1821



11.7239, 0.2400, 0.1810

Sweetspot

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



11.7245, 0.4975, 0.4432



33.6838, 0.3643, 0.3778



5.2920, 0.5446, 0.2774



7.3951, 0.3712, 0.3836



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



11.7245, 0.4975, 0.4432



20.3597, 0.4996, 0.4415



20.7753, 0.3966, 0.5233



5.1498, 0.3265, 0.3429



11.0068, 0.4972, 0.4434



0.0520, 0.4555, 0.4765

Inverse Universe

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



3.8361, 0.1664, 0.1191



6.4911, 0.1654, 0.1153



1.8488, 0.1565, 0.0636



4.7975, 0.2992, 0.3147



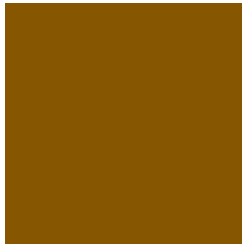
3.6135, 0.1666, 0.1196



0.0254, 0.1893, 0.2015

Previews

White Background



This preview shows how the Yxy color 11.7239, 0.4975, 0.4432 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 11.7239, 0.4975, 0.4432 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 11.7239, 0.4975, 0.4432

Background



This preview shows how black text looks on a background with the Yxy color 11.7239, 0.4975, 0.4432.



This preview shows how white text looks on a background with the Yxy color 11.7239, 0.4975, 0.4432.

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

11.7239, 0.4975, 0.4432

Protanopia

11.8203, 0.4351, 0.4838

Deuteranopia

11.7919, 0.4686, 0.4661



Tritanopia

11.7276, 0.4031, 0.3180

Trichromacy



Original Color

11.7239, 0.4975, 0.4432

Protanomaly

11.6934, 0.4578, 0.4689

Deuteranomaly

11.7479, 0.4784, 0.4584

Tritanomaly

11.5447, 0.4542, 0.3783

Monochromacy



Original Color

11.7239, 0.4975, 0.4432

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.5760, 0.3929, 0.3995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7239, 0.4975, 0.4432 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(134, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(134, 86, 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(134, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 86, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.7239, 0.4975, 0.4432 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(134, 86, 0) }
```

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

```
.border{ border-color:rgb(134, 86, 0) }
```

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

Here you see how a box with a 4 pixel rgb(134, 86, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(134, 86, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.7239, 0.4975, 0.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 86, 0) }
```

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

```
.background{ background-color: rgb(134, 86,  
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](#).

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