

Converting Colors

$Y_{xy}(14.6655, 0.4958, 0.4673)$

Have a look what the booklet for
Yxy(14.6655, 0.4958, 0.4673)
contains.

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Color

Yxy(14.7633, 0.4848, 0.4533)

Conversions

Conversions Part 1

Format	Color
Hex	8F6300
RGB	143, 99, 0
RGB Percent	56%, 39%, 0%
CMY	0.4392, 0.6117, 1.0000
CMYK	0.00, 0.31, 1.00, 0.44
HSL	42°, 100%, 28%
HSV	42°, 100%, 56%
XYZ	15.7892, 14.7633, 2.0160
YIQ	100.8700, 58.0030, -21.4610

Conversions

Conversions Part 2

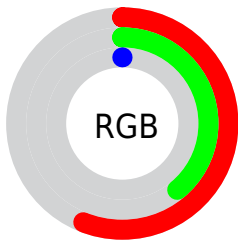
Format	Color
R_{YB}	64, 143, 0
Decimal	9396992
CIE _{Lab}	45.31, 10.60, 52.79
CIE _{LCh}	45, 53.847, 78.647
Yxy	14.7633, 0.4848, 0.4533
Android (android.graphics.Color)	4287587072 (0xFF8F6300)
YUV	100.8700, -49.7289, 36.9480
Hunter-Lab	38.4230, 6.1108, 23.7853

Details

The Yxy color **14.7633, 0.4848, 0.4533** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.7840, 0.1625, 0.1050**, and the grayscale version is **13.0987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5564, 0.4509, 0.4351**, and **4.5724, 0.5011, 0.4403** is the 20% darker color. If you saturate the color by 10%, you get **14.7641, 0.4848, 0.4533**, and if you desaturate by 10%, it is **15.6532, 0.4719, 0.4532**.

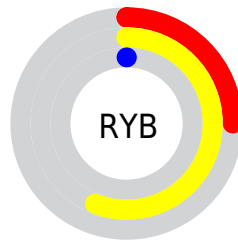
Distribution



Red (56%)

Green (39%)

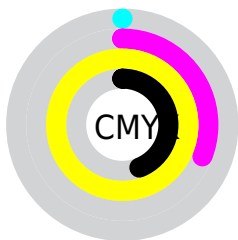
Blue (0%)



Red (25%)

Yellow (56%)

Blue (0%)

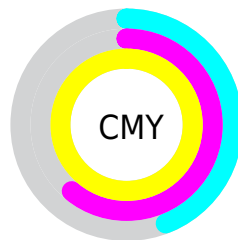


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (44%)



Cyan (44%)


Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7633, 0.4848, 0.4533 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 14.7633, 0.4848, 0.4533 by changing the saturation by 10% instead.


 14.7633, 0.4848,
0.4533


 14.7633, 0.4848,
0.4533


 221.9290, 0.3912,
0.3921


 8.6534, 0.5066,
0.4632


 34.4374, 0.4513,
0.4342

 4.5158, 0.5306,
0.4694

 48.7704, 0.4382,
0.4257


 1.9661, 0.5439,
0.4561

 66.6133, 0.4271,
0.4182

 0.5877, 0.5817,
0.4183


 88.3504, 0.4177,
0.4116

 0.0000, 0.0000,
0.0000

 114.3661, 0.4096,
0.4058

 145.0449, 0.4026,


0.4007


 180.7710, 0.3965,
0.3962


 14.7633, 0.4848,
0.4533


 14.7633, 0.4848,
0.4533


 14.7641, 0.4848,
0.4533

 15.6532, 0.4719,
0.4532

 16.6100, 0.4570,
0.4495

 17.6464, 0.4397,
0.4414

 18.7671, 0.4207,
0.4294

 19.9761, 0.4010,
0.4146

■ 21.2772, 0.3813,
0.3980

■ 22.6738, 0.3623,
0.3805

■ 24.1691, 0.3444,
0.3629

■ 25.7659, 0.3279,
0.3456

Harmonies

Analogous

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



14.7633, 0.5249, 0.3781



14.7633, 0.4848, 0.4533



14.7633, 0.4029, 0.5189

Triad

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



14.7633, 0.4848, 0.4533



14.7633, 0.1555, 0.3114



14.7633, 0.2881, 0.1978

Complementary

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



14.7633, 0.4848, 0.4533



3.7840, 0.1625, 0.1050

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.



14.7633, 0.2016, 0.1755



14.7633, 0.4848, 0.4533



14.7633, 0.1371, 0.2226

Square

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



14.7633, 0.4848, 0.4533



14.7633, 0.2136, 0.4386



14.7633, 0.1525, 0.1814



14.7633, 0.4012, 0.2444

Rectangle

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



14.7633, 0.4848, 0.4533



14.7633, 0.3380, 0.5349



14.7633, 0.1525, 0.1814



14.7633, 0.2552, 0.1874

Sweetspot

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



14.7641, 0.4848, 0.4533



40.4423, 0.3635, 0.3817



6.0312, 0.5652, 0.2887



9.0537, 0.3706, 0.3883



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.



14.7641, 0.4848, 0.4533



26.1270, 0.4864, 0.4520



23.4114, 0.3879, 0.5302



6.0092, 0.3266, 0.3442



13.0927, 0.4844, 0.4536



0.1643, 0.4491, 0.4816

Inverse Universe

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



3.7840, 0.1625, 0.1050



6.5045, 0.1615, 0.1015



2.2056, 0.1598, 0.0654



5.5088, 0.2990, 0.3134



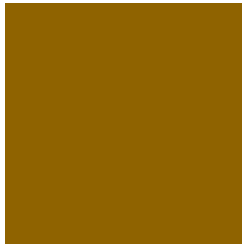
3.3797, 0.1627, 0.1058



0.0679, 0.1851, 0.1861

Previews

White Background



This preview shows how the Yxy color 14.7633, 0.4848, 0.4533 looks on a white background.

Color Contrast Check

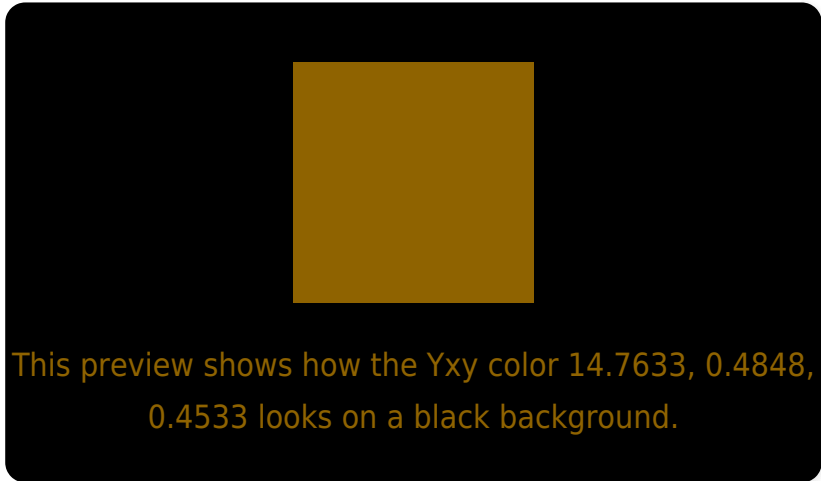
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7633, 0.4848, 0.4533

Background



This preview shows how black text looks on a background with the Yxy color 14.7633, 0.4848, 0.4533.



This preview shows how white text looks on a background with the Yxy color 14.7633, 0.4848, 0.4533.

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

14.7633, 0.4848, 0.4533

Protanopia

14.8824, 0.4371, 0.4841

Deuteranopia

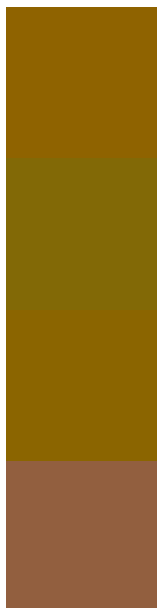
14.7370, 0.4702, 0.4649



Tritanopia

14.7582, 0.3889, 0.3169

Trichromacy



Original Color

14.7633, 0.4848, 0.4533

Protanomaly

14.8621, 0.4545, 0.4727

Deuteranomaly

14.7963, 0.4760, 0.4603

Tritanomaly

14.6543, 0.4416, 0.3842

Monochromacy



Original Color

14.7633, 0.4848, 0.4533

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.1975, 0.3890, 0.4047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7633, 0.4848, 0.4533 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(143, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 99, 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(143, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 99, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.7633, 0.4848, 0.4533 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(143, 99, 0) }
```

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

```
.border{ border-color:rgb(143, 99, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 99, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 99, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.7633, 0.4848, 0.4533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 99, 0) }
```

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

```
.background{ background-color: rgb(143, 99,  
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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