

Converting Colors

$Y_{xy}(13.5330, 0.4469, 0.4526)$

Have a look what the booklet for
Yxy(13.5330, 0.4469, 0.4526)
contains.

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Color

Yxy(13.4431, 0.4468, 0.4524)

Conversions

Conversions Part 1

Format	Color
Hex	7E631C
RGB	126, 99, 28
RGB Percent	49%, 39%, 11%
CMY	0.5059, 0.6118, 0.8901
CMYK	0.00, 0.21, 0.78, 0.51
HSL	43°, 64%, 30%
HSV	43°, 78%, 49%
XYZ	13.2767, 13.4431, 2.9953
YIQ	98.9790, 38.8830, -16.3570

Conversions

Conversions Part 2

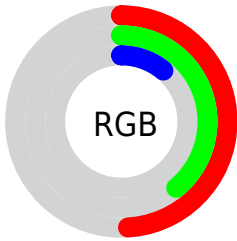
Format	Color
R_{YB}	65, 126, 28
Decimal	8282908
CIE _{Lab}	43.42, 3.29, 42.08
CIE _{LCh}	43, 42.208, 85.523
Yxy	13.4431, 0.4468, 0.4524
Android (android.graphics.Color)	4286472988 (0xFF7E631C)
YUV	98.9790, -34.9926, 23.6974
Hunter-Lab	36.6648, 0.4731, 20.8218

Details

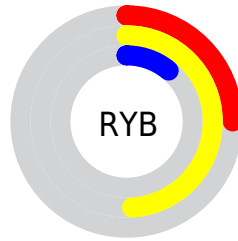
The Yxy color **13.4431, 0.4468, 0.4524** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **4.4897, 0.1846, 0.1476**, and the grayscale version is **12.5555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9758, 0.4190, 0.4270**, and **4.0021, 0.4733, 0.4624** is the 20% darker color. If you saturate the color by 10%, you get **12.7514, 0.4610, 0.4580**, and if you desaturate by 10%, it is **14.1897, 0.4303, 0.4426**.

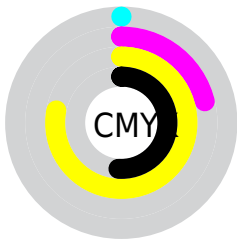
Distribution



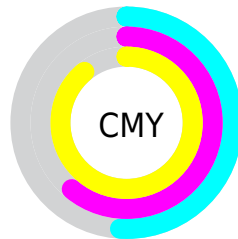
- Red (49%)
- Green (39%)
- Blue (11%)



- Red (25%)
- Yellow (49%)
- Blue (11%)



- Cyan (0%)
- Magenta (21%)
- Yellow (78%)
- Black (51%)




- Cyan (51%)
- Magenta (61%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4431, 0.4468, 0.4524 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 13.4431, 0.4468, 0.4524 by changing the saturation by 10% instead.


 13.4431, 0.4468,
0.4524


 13.4431, 0.4468,
0.4524


213.7382, 0.3708,
0.3842


 7.7344, 0.4658,
0.4681


 32.0976, 0.4180,
0.4273

 3.9255, 0.5017,
0.4983

 45.8121, 0.4074,
0.4178


 1.6319, 0.5065,
0.4935

 62.9640, 0.3985,
0.4098

 0.3790, 0.5376,
0.4624

 83.9377, 0.3912,
0.4030

 0.0000, 0.0000,
0.0000

 109.1176, 0.3849,
0.3973

 138.8880, 0.3795,

0.3923

173.6335, 0.3749,
0.3880

13.4431, 0.4468,
0.4524

13.4431, 0.4468,
0.4524

12.7514, 0.4610,
0.4580

14.1897, 0.4303,
0.4426

12.1058, 0.4731,
0.4600

14.9924, 0.4124,
0.4293

11.9652, 0.4759,
0.4603

15.8546, 0.3937,
0.4135

16.7789, 0.3751,
0.3961

17.7675, 0.3571,
0.3780

■ 18.8227, 0.3400,
0.3599

■ 19.9463, 0.3241,
0.3422

■ 21.1404, 0.3096,
0.3253

■ 22.4068, 0.2963,
0.3093

Harmonies

Analogous

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



13.4431, 0.4860, 0.3913



13.4431, 0.4468, 0.4524



13.4431, 0.3750, 0.4921

Triad

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



13.4431, 0.4468, 0.4524



13.4431, 0.1743, 0.2973



13.4431, 0.3141, 0.2255

Complementary

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



13.4431, 0.4468, 0.4524



4.4897, 0.1846, 0.1476

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.



13.4431, 0.2345, 0.2009



13.4431, 0.4468, 0.4524



13.4431, 0.1638, 0.2312

Square

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



13.4431, 0.4468, 0.4524



13.4431, 0.2182, 0.3934



13.4431, 0.1839, 0.2012



13.4431, 0.4057, 0.2705

Rectangle

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



13.4431, 0.4468, 0.4524



13.4431, 0.3193, 0.4890



13.4431, 0.1839, 0.2012



13.4431, 0.2849, 0.2147

Sweetspot

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



13.4438, 0.4468, 0.4524



32.0398, 0.3497, 0.3704



5.5515, 0.4976, 0.2839



7.1624, 0.3550, 0.3758



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



13.4438, 0.4468, 0.4524



21.5960, 0.4698, 0.4593



17.9974, 0.3813, 0.5094



4.8252, 0.3262, 0.3446



12.2664, 0.4760, 0.4603



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.4897, 0.1846, 0.1476



5.2956, 0.1655, 0.1088



2.9978, 0.1917, 0.1052



4.3898, 0.2993, 0.3130



2.7560, 0.1609, 0.0992



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.4431, 0.4468, 0.4524 looks on a white background.

Color Contrast Check

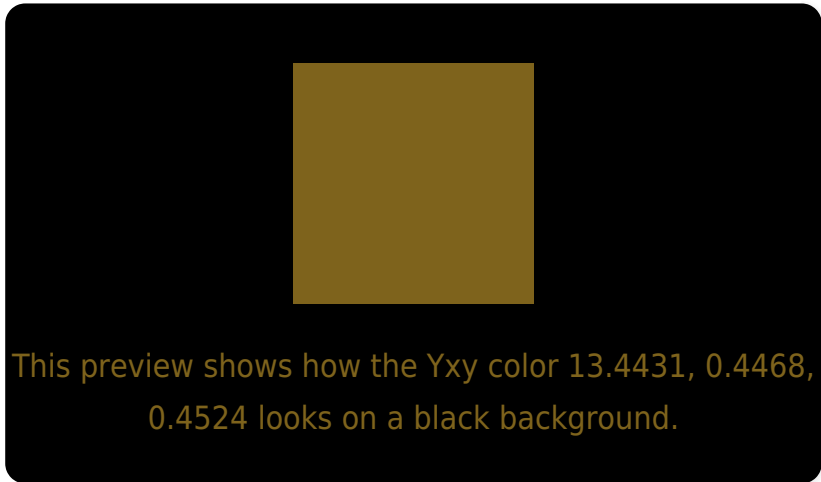
Large Text (above 18pt) WCAG AA ✓ Pass

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

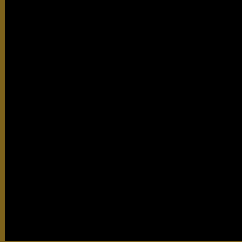
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4431, 0.4468, 0.4524

Background



This preview shows how black text looks on a background with the Yxy color 13.4431, 0.4468, 0.4524.



This preview shows how white text looks on a background with the Yxy color 13.4431, 0.4468, 0.4524.

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

13.4431, 0.4468, 0.4524

Protanopia

13.4340, 0.4232, 0.4682

Deuteranopia

13.4912, 0.4520, 0.4470



Tritanopia

13.3804, 0.3642, 0.3156

Trichromacy



Original Color

13.4431, 0.4468, 0.4524

Protanomaly

13.5134, 0.4308, 0.4628

Deuteranomaly

13.4133, 0.4505, 0.4479

Tritanomaly

13.3326, 0.4008, 0.3724

Monochromacy



Original Color

13.4431, 0.4468, 0.4524

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.6559, 0.3656, 0.3865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4431, 0.4468, 0.4524 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(126, 99, 28)` looks like.

```
.text, #text, p{  
  color:rgb(126, 99, 28)  
}
```

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(126, 99, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 99, 28) }
```

Border

The CSS property to change the border of an element to Yxy 13.4431, 0.4468, 0.4524 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(126, 99, 28) }
```

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

```
.border{ border-color:rgb(126, 99, 28) }
```

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

Here you see how a box with a 4 pixel rgb(126, 99, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 99, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 99, 28);  
box-shadow:4px 4px 4px 4px rgb(126, 99,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4431, 0.4468, 0.4524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 99, 28) }
```

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

```
.background{ background-color: rgb(126, 99,  
28) }
```

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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