

Converting Colors

$Y_{xy}(13.5031, 0.4650, 0.4608)$

Have a look what the booklet for
Yxy(13.5031, 0.4650, 0.4608)
contains.

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Color

Yxy(13.5031, 0.4650, 0.4608)

Conversions

Conversions Part 1

Format	Color
Hex	82620A
RGB	130, 98, 10
RGB Percent	51%, 38%, 4%
CMY	0.4903, 0.6156, 0.9609
CMYK	0.00, 0.25, 0.92, 0.49
HSL	44°, 86%, 27%
HSV	44°, 92%, 51%
XYZ	13.6262, 13.5031, 2.1743
YIQ	97.5360, 47.3200, -20.5840

Conversions

Conversions Part 2

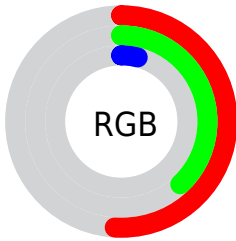
Format	Color
R_{YB}	54, 130, 10
Decimal	8544778
CIE Lab	43.51, 5.17, 48.35
CIE LCh	44, 48.621, 83.895
Yxy	13.5031, 0.4650, 0.4608
Android (android.graphics.Color)	4286734858 (0xFF82620A)
YUV	97.5360, -43.1552, 28.4709
Hunter-Lab	36.7466, 1.8840, 22.2144

Details

The Yxy color **13.5031, 0.4650, 0.4608** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.3272, 0.1671, 0.1117**, and the grayscale version is **12.1924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1263, 0.4348, 0.4360**, and **3.9925, 0.4810, 0.4563** is the 20% darker color. If you saturate the color by 10%, you get **12.9930, 0.4738, 0.4620**, and if you desaturate by 10%, it is **14.2058, 0.4524, 0.4572**.

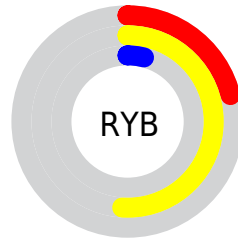
Distribution



Red (51%)

Green (38%)

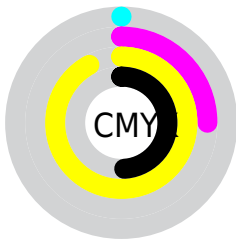
Blue (4%)



Red (21%)

Yellow (51%)

Blue (4%)

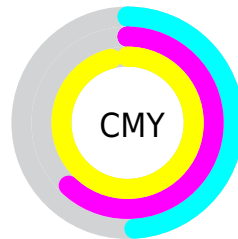


Cyan (0%)

Magenta (25%)

Yellow (92%)

Black (49%)



Cyan (49%)


Magenta (62%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5031, 0.4650, 0.4608 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 13.5031, 0.4650, 0.4608 by changing the saturation by 10% instead.


 13.5031, 0.4650,
0.4608


 13.5031, 0.4650,
0.4608


214.1173, 0.3807,
0.3910


 7.7759, 0.4849,
0.4748


 32.2047, 0.4342,
0.4368


 3.9519, 0.5097,
0.4903

 45.9479, 0.4224,
0.4270

 1.6467, 0.5172,
0.4828

 63.1319, 0.4125,
0.4186

 0.3888, 0.5605,
0.4395


 84.1410, 0.4041,
0.4115


 0.0000, 0.0000,
0.0000


 109.3597, 0.3969,
0.4053


 139.1724, 0.3907,

0.3999

 173.9635, 0.3854,
0.3952

 13.5031, 0.4650,
0.4608


 13.5031, 0.4650,
0.4608

 12.9930, 0.4738,
0.4620

 14.2058, 0.4524,
0.4572

 14.9618, 0.4372,
0.4491

 15.7754, 0.4202,
0.4372

 16.6496, 0.4020,
0.4223

 17.5874, 0.3835,
0.4053

■ 18.5913, 0.3652,
0.3872

■ 19.6635, 0.3477,
0.3688

■ 20.8064, 0.3313,
0.3505

■ 22.0220, 0.3161,
0.3330

Harmonies

Analogous

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



13.5031, 0.5097, 0.3904



13.5031, 0.4650, 0.4608



13.5031, 0.3843, 0.5138

Triad

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



13.5031, 0.4650, 0.4608



13.5031, 0.1588, 0.2958



13.5031, 0.3077, 0.2111

Complementary

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



13.5031, 0.4650, 0.4608



3.3272, 0.1671, 0.1117

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.



13.5031, 0.2201, 0.1854



13.5031, 0.4650, 0.4608



13.5031, 0.1466, 0.2200

Square

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



13.5031, 0.4650, 0.4608



13.5031, 0.2082, 0.4098



13.5031, 0.1668, 0.1865



13.5031, 0.4136, 0.2592

Rectangle

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



13.5031, 0.4650, 0.4608



13.5031, 0.3221, 0.5171



13.5031, 0.1668, 0.1865



13.5031, 0.2750, 0.1998

Sweetspot

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



13.5038, 0.4650, 0.4608



33.4346, 0.3586, 0.3804



5.1278, 0.5552, 0.2927



7.4148, 0.3651, 0.3871



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



13.5038, 0.4650, 0.4608



22.6398, 0.4753, 0.4608



18.8057, 0.3804, 0.5294



4.8317, 0.3262, 0.3448



12.4736, 0.4737, 0.4621



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.3272, 0.1671, 0.1117



4.7024, 0.1593, 0.0933



2.2392, 0.1734, 0.0787



4.3837, 0.2993, 0.3127



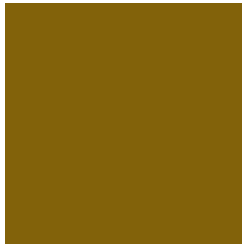
2.6874, 0.1603, 0.0972



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.5031, 0.4650, 0.4608 looks on a white background.

Color Contrast Check

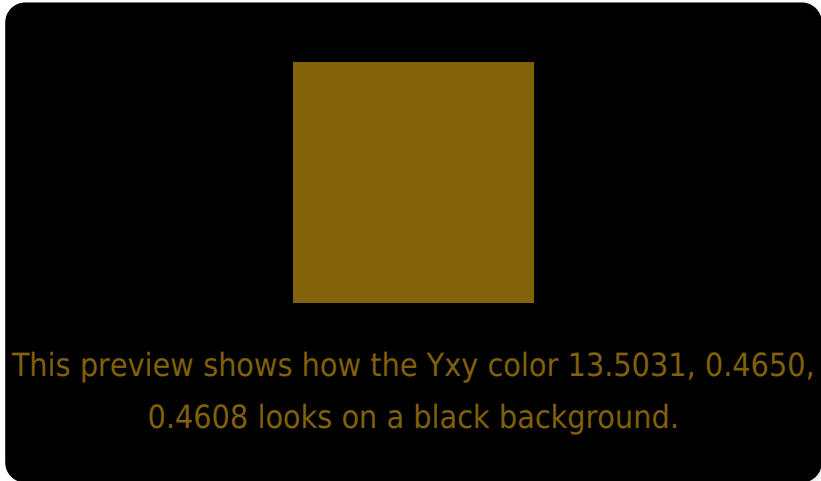
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5031, 0.4650, 0.4608

Background



This preview shows how black text looks on a background with the Yxy color 13.5031, 0.4650, 0.4608.



This preview shows how white text looks on a background with the Yxy color 13.5031, 0.4650, 0.4608.

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

13.5031, 0.4650, 0.4608

Protanopia

13.4400, 0.4350, 0.4824

Deuteranopia

13.5031, 0.4650, 0.4608



Tritanopia

13.5149, 0.3726, 0.3159

Trichromacy



Original Color

13.5031, 0.4650, 0.4608

Protanomaly

13.3965, 0.4462, 0.4745

Deuteranomaly

13.5031, 0.4650, 0.4608

Tritanomaly

13.3853, 0.4187, 0.3823

Monochromacy



Original Color

13.5031, 0.4650, 0.4608

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.4437, 0.3781, 0.3993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5031, 0.4650, 0.4608 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(130, 98, 10)` looks like.

```
.text, #text, p{  
    color:rgb(130, 98, 10)  
}
```

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(130, 98, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 98, 10) }
```

Border

The CSS property to change the border of an element to Yxy 13.5031, 0.4650, 0.4608 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(130, 98, 10) }
```

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

```
.border{ border-color:rgb(130, 98, 10) }
```

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

Here you see how a box with a 4 pixel rgb(130, 98, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 98, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 98, 10);  
box-shadow:4px 4px 4px 4px rgb(130, 98,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5031, 0.4650, 0.4608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 98, 10) }
```

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

```
.background{ background-color: rgb(130, 98,  
10) }
```

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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