

Converting Colors

$Y_{xy}(13.4050, 0.4516, 0.4401)$

Have a look what the booklet for
Yxy(13.4050, 0.4516, 0.4401)
contains.

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Color

Yxy(13.4050, 0.4516, 0.4401)

Conversions

Conversions Part 1

Format	Color
Hex	826121
RGB	130, 97, 33
RGB Percent	51%, 38%, 13%
CMY	0.4902, 0.6196, 0.8707
CMYK	0.00, 0.25, 0.75, 0.49
HSL	40°, 60%, 32%
HSV	40°, 75%, 51%
XYZ	13.7553, 13.4050, 3.2987
YIQ	99.5710, 40.2120, -12.9080

Conversions

Conversions Part 2

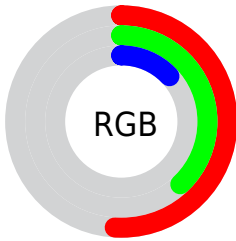
Format	Color
RYB	83, 130, 33
Decimal	8544545
CIELab	43.37, 6.62, 40.01
CIELCh	43, 40.553, 80.608
Yxy	13.4050, 0.4516, 0.4401
Android (android.graphics.Color)	4286734625 (0xFF826121)
YUV	99.5710, -32.8195, 26.6862
Hunter-Lab	36.6128, 2.9892, 20.2871

Details

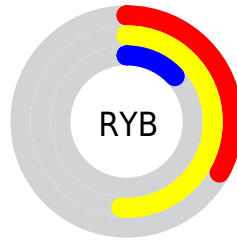
The Yxy color **13.4050, 0.4516, 0.4401** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.8274, 0.1923, 0.1698**, and the grayscale version is **12.7060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9006, 0.4215, 0.4180**, and **3.9454, 0.4863, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **12.5519, 0.4693, 0.4459**, and if you desaturate by 10%, it is **14.3331, 0.4320, 0.4302**.

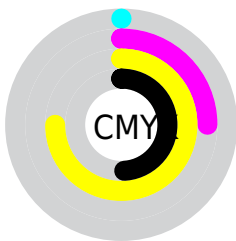
Distribution



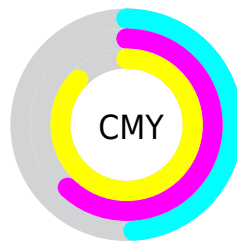
- Red (51%)
- Green (38%)
- Blue (13%)



- Red (33%)
- Yellow (51%)
- Blue (13%)



- Cyan (0%)
- Magenta (25%)
- Yellow (75%)
- Black (49%)





- Cyan (49%)
- Magenta (62%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4050, 0.4516, 0.4401 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 13.4050, 0.4516, 0.4401 by changing the saturation by 10% instead.


 13.4050, 0.4516,
0.4401

 13.4050, 0.4516,
0.4401


213.4972, 0.3718,
0.3793


 7.7080, 0.4727,
0.4537


 32.0295, 0.4208,
0.4180


 3.9087, 0.5147,
0.4828

 45.7258, 0.4096,
0.4095


 1.6226, 0.5255,
0.4745

 62.8573, 0.4004,
0.4023

 0.3728, 0.5805,
0.4195

 83.8085, 0.3927,
0.3963

 0.0000, 0.0000,
0.0000

 108.9636, 0.3863,
0.3911

 138.7072, 0.3807,

0.3866

173.4236, 0.3759,
0.3827

13.4050, 0.4516,
0.4401

13.4050, 0.4516,
0.4401

12.5519, 0.4693,
0.4459

14.3331, 0.4320,
0.4302

11.7672, 0.4844,
0.4472

15.3378, 0.4116,
0.4172

11.3684, 0.4924,
0.4472

16.4231, 0.3911,
0.4020

17.5920, 0.3713,
0.3856

18.8472, 0.3526,
0.3688

■ 20.1912, 0.3353,
0.3522

■ 21.6265, 0.3195,
0.3362

■ 23.1555, 0.3053,
0.3210

■ 24.7803, 0.2924,
0.3067

Harmonies

Analogous

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



13.4050, 0.4816, 0.3801



13.4050, 0.4516, 0.4401



13.4050, 0.3863, 0.4828

Triad

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



13.4050, 0.4516, 0.4401



13.4050, 0.1836, 0.3127



13.4050, 0.3002, 0.2233

Complementary

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



13.4050, 0.4516, 0.4401



5.8274, 0.1923, 0.1698

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.



13.4050, 0.2272, 0.2031



13.4050, 0.4516, 0.4401



13.4050, 0.1679, 0.2428

Square

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



13.4050, 0.4516, 0.4401



13.4050, 0.2318, 0.4062



13.4050, 0.1827, 0.2080



13.4050, 0.3884, 0.2643

Rectangle

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



13.4050, 0.4516, 0.4401



13.4050, 0.3332, 0.4859



13.4050, 0.1827, 0.2080



13.4050, 0.2731, 0.2140

Sweetspot

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



13.4057, 0.4516, 0.4401



33.6829, 0.3488, 0.3652



6.2365, 0.4692, 0.2719



7.5097, 0.3527, 0.3689



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.



13.4057, 0.4516, 0.4401



21.0705, 0.4807, 0.4472



19.7514, 0.3888, 0.4991



4.7807, 0.3263, 0.3432



10.9126, 0.4923, 0.4473



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.8274, 0.1923, 0.1698



7.1319, 0.1723, 0.1306



3.3145, 0.1889, 0.1085



4.4323, 0.2993, 0.3144



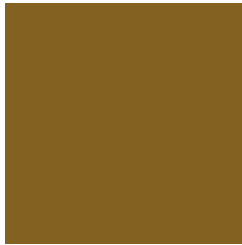
3.2996, 0.1653, 0.1151



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.4050, 0.4516, 0.4401 looks on a white background.

Color Contrast Check

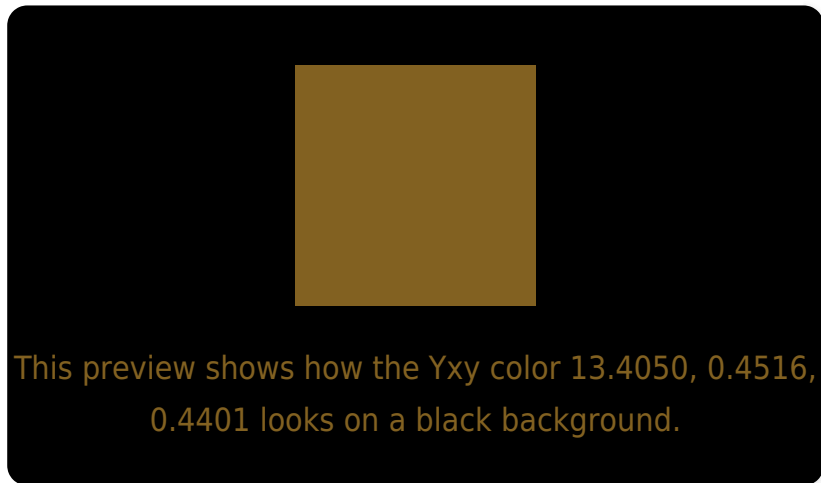
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4050, 0.4516, 0.4401

Background



This preview shows how black text looks on a background with the Yxy color 13.4050, 0.4516, 0.4401.



This preview shows how white text looks on a background with the Yxy color 13.4050, 0.4516, 0.4401.

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

13.4050, 0.4516, 0.4401

Protanopia

13.4667, 0.4181, 0.4606

Deuteranopia

13.5123, 0.4485, 0.4425



Tritanopia

13.4323, 0.3710, 0.3159

Trichromacy



Original Color

13.4050, 0.4516, 0.4401

Protanomaly

13.4159, 0.4295, 0.4542

Deuteranomaly

13.5123, 0.4485, 0.4425

Tritanomaly

13.3097, 0.4072, 0.3657

Monochromacy



Original Color

13.4050, 0.4516, 0.4401

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.8250, 0.3644, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4050, 0.4516, 0.4401 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, 97, 33)` looks like.

```
.text, #text, p{  
    color:rgb(130, 97, 33)  
}
```

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, 97, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 97, 33) }
```

Border

The CSS property to change the border of an element to Yxy 13.4050, 0.4516, 0.4401 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, 97, 33) }
```

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

```
.border{ border-color:rgb(130, 97, 33) }
```

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

Here you see how a box with a 4 pixel rgb(130, 97, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 97, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 97, 33);  
box-shadow:4px 4px 4px 4px rgb(130, 97,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4050, 0.4516, 0.4401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 97, 33) }
```

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

```
.background{ background-color: rgb(130, 97,  
33) }
```

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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