

Converting Colors

$Y_{xy}(16.4254, 0.4461, 0.4428)$

Have a look what the booklet for
Yxy(16.4254, 0.4461, 0.4428)
contains.

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Color

Yxy(16.4405, 0.4454, 0.4431)

Conversions

Conversions Part 1

Format	Color
Hex	8C6C26
RGB	140, 108, 38
RGB Percent	55%, 42%, 15%
CMY	0.4510, 0.5764, 0.8509
CMYK	0.00, 0.23, 0.73, 0.45
HSL	41°, 57%, 35%
HSV	41°, 73%, 55%
XYZ	16.5258, 16.4405, 4.1370
YIQ	109.5880, 41.5420, -14.9860

Conversions

Conversions Part 2

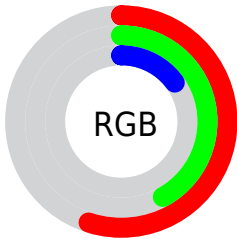
Format	Color
R_{YB}	85, 140, 38
Decimal	9202726
CIE Lab	47.55, 5.16, 42.33
CIE LCh	48, 42.641, 83.051
Yxy	16.4405, 0.4454, 0.4431
Android (android.graphics.Color)	4287392806 (0xFF8C6C26)
YUV	109.5880, -35.2929, 26.6713
Hunter-Lab	40.5469, 1.7948, 22.3334

Details

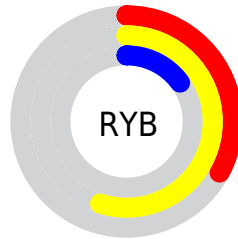
The Yxy color **16.4405, 0.4454, 0.4431** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.6841, 0.1926, 0.1667**, and the grayscale version is **15.5633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3547, 0.4184, 0.4208**, and **5.3159, 0.4764, 0.4599** is the 20% darker color. If you saturate the color by 10%, you get **15.4645, 0.4624, 0.4500**, and if you desaturate by 10%, it is **17.4988, 0.4266, 0.4322**.

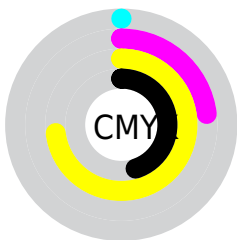
Distribution



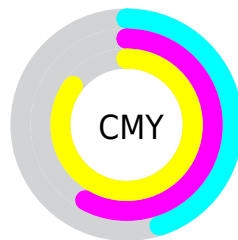
- Red (55%)
- Green (42%)
- Blue (15%)



- Red (33%)
- Yellow (55%)
- Blue (15%)



- Cyan (0%)
- Magenta (23%)
- Yellow (73%)
- Black (45%)





- Cyan (45%)
- Magenta (58%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4405, 0.4454, 0.4431 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 16.4405, 0.4454, 0.4431 by changing the saturation by 10% instead.


 16.4405, 0.4454,
0.4431


 16.4405, 0.4454,
0.4431


231.9272, 0.3715,
0.3819


 9.8364, 0.4641,
0.4569


 37.3613, 0.4176,
0.4210


 5.2906, 0.4911,
0.4763

 52.4467, 0.4073,
0.4125


 2.4188, 0.5136,
0.4864

 71.1281, 0.3987,
0.4053

 0.8355, 0.5247,
0.4753

 93.7897, 0.3915,
0.3992

 0.0000, 0.0000,
0.0000

 120.8160, 0.3854,
0.3939

 152.5915, 0.3801,

0.3894

189.5004, 0.3755,
0.3854

■ 16.4405, 0.4454,
0.4431

■ 16.4405, 0.4454,
0.4431

■ 15.4645, 0.4624,
0.4500

■ 17.4988, 0.4266,
0.4322

■ 14.5636, 0.4767,
0.4522

■ 18.6409, 0.4068,
0.4182

■ 13.9563, 0.4861,
0.4522

■ 19.8715, 0.3870,
0.4022

■ 21.1937, 0.3677,
0.3850

■ 22.6107, 0.3494,
0.3675

■ 24.1254, 0.3324,
0.3502

■ 25.7405, 0.3169,
0.3336

■ 27.4586, 0.3028,
0.3178

■ 29.2822, 0.2901,
0.3031

Harmonies

Analogous

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



16.4405, 0.4783, 0.3847



16.4405, 0.4454, 0.4431



16.4405, 0.3793, 0.4819

Triad

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



16.4405, 0.4454, 0.4431



16.4405, 0.1831, 0.3064



16.4405, 0.3073, 0.2274

Complementary

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



16.4405, 0.4454, 0.4431



6.6841, 0.1926, 0.1667

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.



16.4405, 0.2334, 0.2057



16.4405, 0.4454, 0.4431



16.4405, 0.1701, 0.2403

Square

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



16.4405, 0.4454, 0.4431



16.4405, 0.2283, 0.3974



16.4405, 0.1871, 0.2084



16.4405, 0.3940, 0.2693

Rectangle

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



16.4405, 0.4454, 0.4431



16.4405, 0.3266, 0.4813



16.4405, 0.1871, 0.2084



16.4405, 0.2801, 0.2177

Sweetspot

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



16.4413, 0.4454, 0.4431



39.9721, 0.3487, 0.3668



7.4072, 0.4738, 0.2781



9.0713, 0.3529, 0.3709



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



16.4413, 0.4454, 0.4431



26.3042, 0.4713, 0.4519



22.9775, 0.3840, 0.4998



5.5848, 0.3265, 0.3440



12.4399, 0.4857, 0.4525



0.1089, 0.4498, 0.4810

Inverse Universe

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



6.6841, 0.1926, 0.1667



8.2823, 0.1729, 0.1292



4.1414, 0.1946, 0.1136



5.1316, 0.2991, 0.3136



3.3086, 0.1632, 0.1076



0.0459, 0.1856, 0.1880

Previews

White Background



This preview shows how the Yxy color 16.4405, 0.4454, 0.4431 looks on a white background.

Color Contrast Check

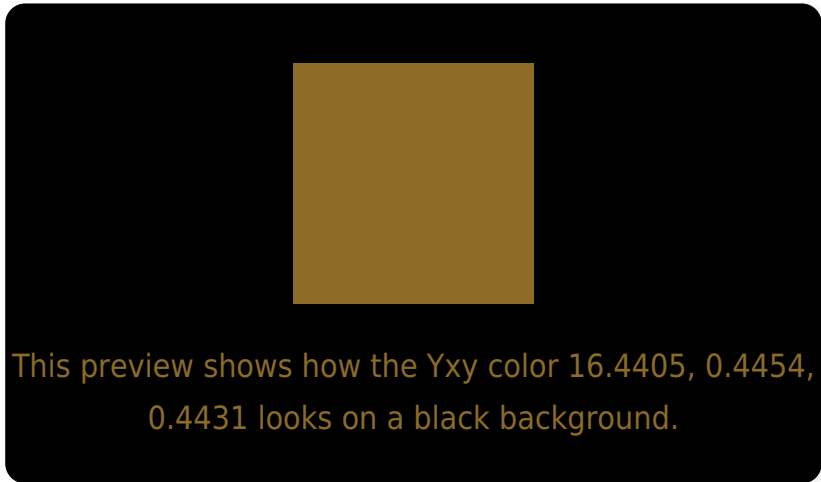
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4405, 0.4454, 0.4431

Background



This preview shows how black text looks on a background with the Yxy color 16.4405, 0.4454, 0.4431.



This preview shows how white text looks on a background with the Yxy color 16.4405, 0.4454, 0.4431.

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

16.4405, 0.4454, 0.4431

Protanopia

16.3924, 0.4182, 0.4609

Deuteranopia

16.3181, 0.4482, 0.4408



Tritanopia

16.4312, 0.3660, 0.3150

Trichromacy



Original Color

16.4405, 0.4454, 0.4431

Protanomaly

16.3407, 0.4279, 0.4537

Deuteranomaly

16.3181, 0.4482, 0.4408

Tritanomaly

16.3648, 0.3999, 0.3669

Monochromacy



Original Color

16.4405, 0.4454, 0.4431

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.6423, 0.3628, 0.3795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4405, 0.4454, 0.4431 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(140, 108, 38)` looks like.

```
.text, #text, p{  
    color:rgb(140, 108, 38)  
}
```

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(140, 108, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 108, 38) }
```

Border

The CSS property to change the border of an element to Yxy 16.4405, 0.4454, 0.4431 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(140, 108, 38) }
```

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

```
.border{ border-color:rgb(140, 108, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 108, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 108, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 108, 38);  
box-shadow:4px 4px 4px 4px rgb(140, 108,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4405, 0.4454, 0.4431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 108, 38) }
```

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

```
.background{ background-color: rgb(140,  
108, 38) }
```

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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