

Converting Colors

$Y_{xy}(15.7663, 0.4335, 0.4210)$

Have a look what the booklet for
Yxy(15.7663, 0.4335, 0.4210)
contains.

Yxy(15.8401, 0.4340, 0.4212)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.8401, 0.4340, 0.4212)

Conversions

Conversions Part 1

Format	Color
Hex	8B6934
RGB	139, 105, 52
RGB Percent	55%, 41%, 20%
CMY	0.4548, 0.5883, 0.7961
CMYK	0.00, 0.24, 0.63, 0.45
HSL	37°, 46%, 37%
HSV	37°, 63%, 55%
XYZ	16.3215, 15.8401, 5.4455
YIQ	109.1240, 37.2770, -9.2750

Conversions

Conversions Part 2

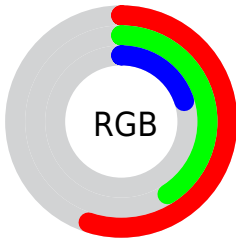
Format	Color
R_{YB}	108, 139, 52
Decimal	9136436
CIE _{Lab}	46.76, 7.38, 34.53
CIE _{LCh}	47, 35.307, 77.936
Yxy	15.8401, 0.4340, 0.4212
Android (android.graphics.Color)	4287326516 (0xFF8B6934)
YUV	109.1240, -28.1621, 26.2013
Hunter-Lab	39.7996, 3.5519, 19.7475

Details

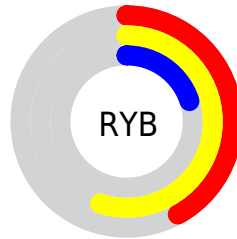
The Yxy color **15.8401, 0.4340, 0.4212** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.2539, 0.2119, 0.2085**, and the grayscale version is **15.4042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2991, 0.4072, 0.4028**, and **5.0133, 0.4803, 0.4482** is the 20% darker color. If you saturate the color by 10%, you get **14.6614, 0.4560, 0.4308**, and if you desaturate by 10%, it is **17.1280, 0.4116, 0.4086**.

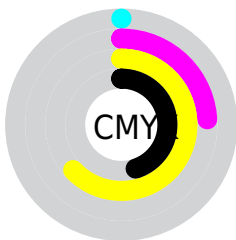
Distribution



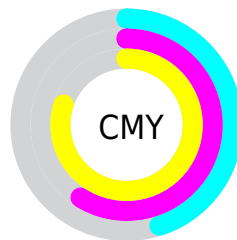
- Red (55%)
- Green (41%)
- Blue (20%)



- Red (42%)
- Yellow (55%)
- Blue (20%)



- Cyan (0%)
- Magenta (24%)
- Yellow (63%)
- Black (45%)




- Cyan (45%)
- Magenta (59%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8401, 0.4340, 0.4212 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 15.8401, 0.4340, 0.4212 by changing the saturation by 10% instead.


 15.8401, 0.4340,
0.4212


 15.8401, 0.4340,
0.4212


228.3963, 0.3644,
0.3708


 9.4111, 0.4536,
0.4336


 36.3204, 0.4067,
0.4024


 5.0103, 0.4792,
0.4482

 51.1404, 0.3970,
0.3954


 2.2533, 0.5255,
0.4745

 69.5263, 0.3891,
0.3896

 0.7488, 0.5439,
0.4561

 91.8623, 0.3825,
0.3846

 0.0000, 0.0000,
0.0000

 118.5330, 0.3769,
0.3804

 149.9226, 0.3721,

0.3767

186.4156, 0.3680,
0.3736

■ 15.8401, 0.4340,
0.4212

■ 15.8401, 0.4340,
0.4212

■ 14.6614, 0.4560,
0.4308

■ 17.1280, 0.4116,
0.4086

■ 13.5850, 0.4764,
0.4364

■ 18.5271, 0.3897,
0.3941

■ 12.6063, 0.4943,
0.4371

■ 20.0419, 0.3690,
0.3786

■ 11.9351, 0.5067,
0.4359

■ 21.6762, 0.3498,
0.3629

■ 23.4334, 0.3323,
0.3475

■ 25.3166, 0.3165,
0.3327

■ 27.3290, 0.3025,
0.3188

■ 29.4736, 0.2899,
0.3058

■ 31.7532, 0.2788,
0.2938

Harmonies

Analogous

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



15.8401, 0.4533, 0.3709



15.8401, 0.4340, 0.4212



15.8401, 0.3824, 0.4551

Triad

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



15.8401, 0.4340, 0.4212



15.8401, 0.2067, 0.3237



15.8401, 0.2969, 0.2367

Complementary

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



15.8401, 0.4340, 0.4212



9.2539, 0.2119, 0.2085

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.



15.8401, 0.2367, 0.2212



15.8401, 0.4340, 0.4212



15.8401, 0.1896, 0.2625

Square

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



15.8401, 0.4340, 0.4212



15.8401, 0.2512, 0.3981



15.8401, 0.2000, 0.2286



15.8401, 0.3693, 0.2710

Rectangle

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



15.8401, 0.4340, 0.4212



15.8401, 0.3384, 0.4575



15.8401, 0.2000, 0.2286



15.8401, 0.2746, 0.2292

Sweetspot

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



15.8409, 0.4340, 0.4212



39.7832, 0.3440, 0.3579



8.6315, 0.4228, 0.2685



8.9861, 0.3486, 0.3619



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.



15.8409, 0.4340, 0.4212



25.4487, 0.4645, 0.4336



23.4903, 0.3870, 0.4757



5.5221, 0.3267, 0.3423



10.8024, 0.5062, 0.4363



0.1003, 0.4599, 0.4730

Inverse Universe

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



9.2539, 0.2119, 0.2085



12.7040, 0.1922, 0.1764



5.3030, 0.2044, 0.1390



5.1921, 0.2991, 0.3153



4.1247, 0.1690, 0.1285



0.0545, 0.1919, 0.2108

Previews

White Background



This preview shows how the Yxy color 15.8401, 0.4340, 0.4212 looks on a white background.

Color Contrast Check

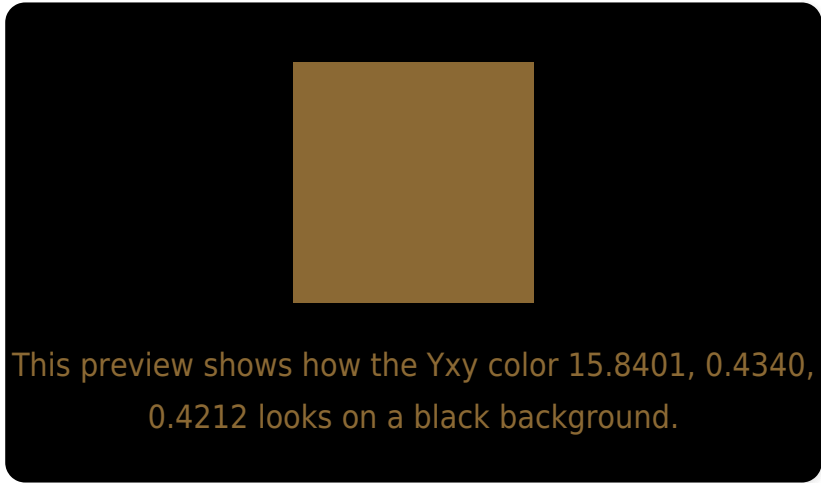
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8401, 0.4340, 0.4212

Background



This preview shows how black text looks on a background with the Yxy color 15.8401, 0.4340, 0.4212.



This preview shows how white text looks on a background with the Yxy color 15.8401, 0.4340, 0.4212.

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

15.8401, 0.4340, 0.4212

Protanopia

15.8462, 0.4016, 0.4384

Deuteranopia

15.8744, 0.4299, 0.4241



Tritanopia

15.8249, 0.3670, 0.3149

Trichromacy



Original Color

15.8401, 0.4340, 0.4212

Protanomaly

15.8614, 0.4137, 0.4327

Deuteranomaly

15.9593, 0.4313, 0.4235

Tritanomaly

15.7463, 0.3947, 0.3546

Monochromacy



Original Color

15.8401, 0.4340, 0.4212

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.4228, 0.3564, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8401, 0.4340, 0.4212 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(139, 105, 52)` looks like.

```
.text, #text, p{  
    color:rgb(139, 105, 52)  
}
```

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(139, 105, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 105, 52) }
```

Border

The CSS property to change the border of an element to Yxy 15.8401, 0.4340, 0.4212 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(139, 105, 52) }
```

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

```
.border{ border-color:rgb(139, 105, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 105, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 105, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 105, 52);  
box-shadow:4px 4px 4px 4px rgb(139, 105,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8401, 0.4340, 0.4212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 105, 52) }
```

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

```
.background{ background-color: rgb(139,  
105, 52) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor