

Converting Colors

$Y_{xy}(16.5082, 0.4163, 0.4216)$

Have a look what the booklet for
Yxy(16.5082, 0.4163, 0.4216)
contains.

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Color

Yxy(16.3937, 0.4168, 0.4211)

Conversions

Conversions Part 1

Format	Color
Hex	876D3A
RGB	135, 109, 58
RGB Percent	53%, 43%, 23%
CMY	0.4705, 0.5726, 0.7726
CMYK	0.00, 0.19, 0.57, 0.47
HSL	40°, 40%, 38%
HSV	40°, 57%, 53%
XYZ	16.2263, 16.3937, 6.3107
YIQ	110.9600, 31.8670, -10.3490

Conversions

Conversions Part 2

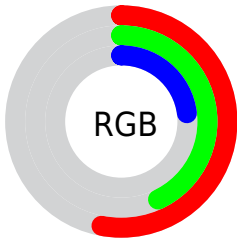
Format	Color
R_{YB}	97, 135, 58
Decimal	8875322
CIE _{Lab}	47.49, 3.72, 32.06
CIE _{LCh}	47, 32.277, 83.377
Yxy	16.3937, 0.4168, 0.4211
Android (android.graphics.Color)	4287065402 (0xFF876D3A)
YUV	110.9600, -26.1093, 21.0831
Hunter-Lab	40.4891, 0.6791, 19.1014

Details

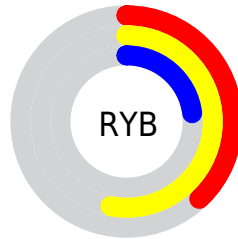
The Yxy color **16.3937, 0.4168, 0.4211** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.9921, 0.2188, 0.2118**, and the grayscale version is **15.9550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1503, 0.3930, 0.4005**, and **5.3108, 0.4556, 0.4517** is the 20% darker color. If you saturate the color by 10%, you get **15.3265, 0.4371, 0.4335**, and if you desaturate by 10%, it is **17.5490, 0.3962, 0.4063**.

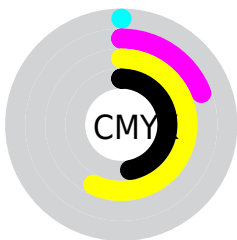
Distribution



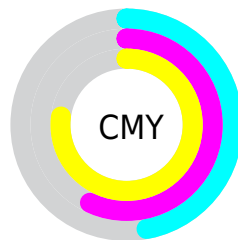
- Red (53%)
- Green (43%)
- Blue (23%)



- Red (38%)
- Yellow (53%)
- Blue (23%)



- Cyan (0%)
- Magenta (19%)
- Yellow (57%)
- Black (47%)





- Cyan (47%)
- Magenta (57%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3937, 0.4168, 0.4211 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 16.3937, 0.4168, 0.4211 by changing the saturation by 10% instead.


 16.3937, 0.4168,
0.4211

 16.3937, 0.4168,
0.4211


231.6538, 0.3572,
0.3696


 9.8032, 0.4337,
0.4349


 37.2803, 0.3934,
0.4014


 5.2686, 0.4557,
0.4520

 52.3453, 0.3851,
0.3942


 2.4057, 0.5064,
0.4936

 71.0038, 0.3784,
0.3883

 0.8288, 0.5147,
0.4853

 93.6402, 0.3727,
0.3833

 0.0000, 0.0000,
0.0000

 120.6391, 0.3679,
0.3791

 152.3847, 0.3639,

0.3755

189.2615, 0.3603,
0.3723

■ 16.3937, 0.4168,
0.4211

■ 16.3937, 0.4168,
0.4211

■ 15.3265, 0.4371,
0.4335

■ 17.5490, 0.3962,
0.4063

■ 14.3415, 0.4562,
0.4425

■ 18.7934, 0.3762,
0.3900

■ 13.4353, 0.4732,
0.4471

■ 20.1308, 0.3571,
0.3732

■ 12.6008, 0.4878,
0.4475

■ 21.5639, 0.3394,
0.3564

■ 12.3648, 0.4922,
0.4474

■ 23.0956, 0.3232,
0.3400

■ 24.7283, 0.3085,
0.3245

■ 26.4645, 0.2953,
0.3099

■ 28.3066, 0.2835,
0.2964

■ 30.2568, 0.2730,
0.2839

Harmonies

Analogous

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



16.3937, 0.4399, 0.3774



16.3937, 0.4168, 0.4211



16.3937, 0.3666, 0.4453

Triad

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



16.3937, 0.4168, 0.4211



16.3937, 0.2112, 0.3133



16.3937, 0.3104, 0.2489

Complementary

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



16.3937, 0.4168, 0.4211



8.9921, 0.2188, 0.2118

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.



16.3937, 0.2521, 0.2313



16.3937, 0.4168, 0.4211



16.3937, 0.1998, 0.2616

Square

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



16.3937, 0.4168, 0.4211



16.3937, 0.2482, 0.3794



16.3937, 0.2139, 0.2344



16.3937, 0.3755, 0.2834

Rectangle

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



16.3937, 0.4168, 0.4211



16.3937, 0.3256, 0.4414



16.3937, 0.2139, 0.2344



16.3937, 0.2893, 0.2409

Sweetspot

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



16.3945, 0.4168, 0.4211



38.5168, 0.3400, 0.3569



8.8329, 0.4163, 0.2797



8.8165, 0.3429, 0.3597



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



16.3945, 0.4168, 0.4211



26.9885, 0.4420, 0.4361



21.8844, 0.3771, 0.4672



5.1650, 0.3264, 0.3433



11.4235, 0.4918, 0.4477



0.0531, 0.4528, 0.4786

Inverse Universe

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



8.9921, 0.2188, 0.2118



12.4809, 0.1991, 0.1810



6.0603, 0.2200, 0.1591



4.7828, 0.2992, 0.3142



3.4097, 0.1650, 0.1141



0.0243, 0.1876, 0.1954

Previews

White Background



This preview shows how the Yxy color 16.3937, 0.4168, 0.4211 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



This preview shows how the Yxy color 16.3937, 0.4168, 0.4211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

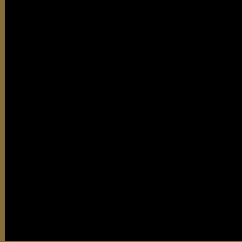
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3937, 0.4168, 0.4211

Background



This preview shows how black text looks on a background with the Yxy color 16.3937, 0.4168, 0.4211.



This preview shows how white text looks on a background with the Yxy color 16.3937, 0.4168, 0.4211.

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

16.3937, 0.4168, 0.4211

Protanopia

16.4111, 0.3956, 0.4326

Deuteranopia

16.5196, 0.4236, 0.4172



Tritanopia

16.4236, 0.3551, 0.3147

Trichromacy



Original Color

16.3937, 0.4168, 0.4211

Protanomaly

16.4933, 0.4024, 0.4286

Deuteranomaly

16.4339, 0.4221, 0.4177

Tritanomaly

16.2791, 0.3789, 0.3532

Monochromacy



Original Color

16.3937, 0.4168, 0.4211

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.9176, 0.3501, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3937, 0.4168, 0.4211 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(135, 109, 58)` looks like.

```
.text, #text, p{  
    color:rgb(135, 109, 58)  
}
```

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(135, 109, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 109, 58) }
```

Border

The CSS property to change the border of an element to Yxy 16.3937, 0.4168, 0.4211 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(135, 109, 58) }
```

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

```
.border{ border-color:rgb(135, 109, 58) }
```

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

Here you see how a box with a 4 pixel rgb(135, 109, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 109, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 109, 58);  
box-shadow:4px 4px 4px 4px rgb(135, 109,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3937, 0.4168, 0.4211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 109, 58) }
```

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

```
.background{ background-color: rgb(135,  
109, 58) }
```

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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