

Converting Colors

$Y_{xy}(15.0996, 0.4310, 0.4001)$

Have a look what the booklet for
Yxy(15.0996, 0.4310, 0.4001)
contains.

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Color

Yxy(15.0160, 0.4314, 0.4002)

Conversions

Conversions Part 1

Format	Color
Hex	8C643C
RGB	140, 100, 60
RGB Percent	55%, 39%, 24%
CMY	0.4510, 0.6078, 0.7647
CMYK	0.00, 0.29, 0.57, 0.45
HSL	30°, 40%, 39%
HSV	30°, 57%, 55%
XYZ	16.1867, 15.0160, 6.3186
YIQ	107.4000, 36.6800, -3.9600

Conversions

Conversions Part 2

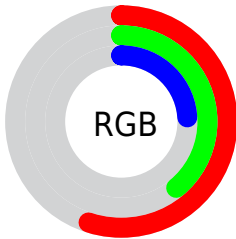
Format	Color
R _Y B	140, 140, 60
Decimal	9200700
CIE Lab	45.66, 11.39, 28.87
CIE LCh	46, 31.037, 68.475
Yxy	15.0160, 0.4314, 0.4002
Android (android.graphics.Color)	4287390780 (0xFF8C643C)
YUV	107.4000, -23.3682, 28.5902
Hunter-Lab	38.7505, 6.7488, 17.4576

Details

The Yxy color **15.0160, 0.4314, 0.4002** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.9626, 0.2246, 0.2410**, and the grayscale version is **14.8786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9517, 0.4037, 0.3862**, and **4.6069, 0.4827, 0.4204** is the 20% darker color. If you saturate the color by 10%, you get **13.6026, 0.4581, 0.4093**, and if you desaturate by 10%, it is **16.5853, 0.4057, 0.3888**.

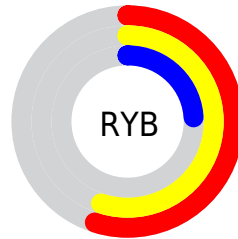
Distribution



Red (55%)

Green (39%)

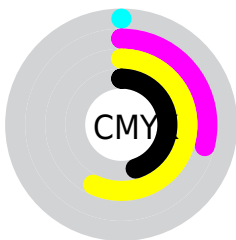
Blue (24%)



Red (55%)

Yellow (55%)

Blue (24%)

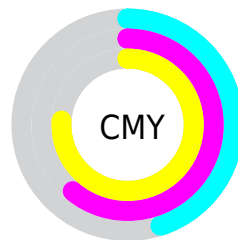


Cyan (0%)

Magenta (29%)

Yellow (57%)

Black (45%)



Cyan (45%)


Magenta (61%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0160, 0.4314, 0.4002 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 15.0160, 0.4314, 0.4002 by changing the saturation by 10% instead.


 15.0160, 0.4314,
0.4002


 15.0160, 0.4314,
0.4002


223.4630, 0.3617,
0.3613


 8.8306, 0.4524,
0.4098


 34.8812, 0.4033,
0.3857


 4.6309, 0.4811,
0.4209

 49.3299, 0.3936,
0.3803

 2.0323, 0.5473,
0.4527

 67.3018, 0.3858,
0.3758

 0.6262, 0.5825,
0.4175

 89.1812, 0.3793,
0.3720

 0.0000, 0.0000,
0.0000

 115.3527, 0.3738,
0.3687

 146.2006, 0.3692,

0.3659

182.1092, 0.3652,
0.3635

■ 15.0160, 0.4314,
0.4002

■ 15.0160, 0.4314,
0.4002

■ 13.6026, 0.4581,
0.4093

■ 16.5853, 0.4057,
0.3888

■ 12.3370, 0.4845,
0.4150

■ 18.3139, 0.3818,
0.3761

■ 11.2130, 0.5092,
0.4161

■ 20.2079, 0.3601,
0.3630

■ 10.2211, 0.5311,
0.4126

■ 22.2721, 0.3408,
0.3500

■ 9.9584, 0.5374,
0.4115

■ 24.5112, 0.3237,
0.3375

■ 26.9299, 0.3086,
0.3257

■ 29.5323, 0.2955,
0.3147

■ 32.3226, 0.2840,
0.3045

■ 35.3049, 0.2740,
0.2952

Harmonies

Analogous

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



15.0160, 0.4363, 0.3531



15.0160, 0.4314, 0.4002



15.0160, 0.3933, 0.4359

Triad

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



15.0160, 0.4314, 0.4002



15.0160, 0.2273, 0.3456



15.0160, 0.2798, 0.2385

Complementary

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



15.0160, 0.4314, 0.4002



11.9626, 0.2246, 0.2410

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.



15.0160, 0.2310, 0.2309



15.0160, 0.4314, 0.4002



15.0160, 0.2031, 0.2849

Square

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



15.0160, 0.4314, 0.4002



15.0160, 0.2749, 0.4085



15.0160, 0.2047, 0.2456



15.0160, 0.3433, 0.2651

Rectangle

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



15.0160, 0.4314, 0.4002



15.0160, 0.3561, 0.4449



15.0160, 0.2047, 0.2456



15.0160, 0.2613, 0.2337

Sweetspot

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



15.0167, 0.4314, 0.4002



39.1923, 0.3412, 0.3503



9.7252, 0.3916, 0.2586



8.8811, 0.3444, 0.3525



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.



15.0167, 0.4314, 0.4002



23.2189, 0.4669, 0.4116



24.6544, 0.3920, 0.4601



5.4349, 0.3269, 0.3400



8.8891, 0.5367, 0.4121



0.0883, 0.4766, 0.4598

Inverse Universe

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



11.9626, 0.2246, 0.2410



17.2717, 0.2066, 0.2159



6.0841, 0.2061, 0.1527



5.2782, 0.2991, 0.3178



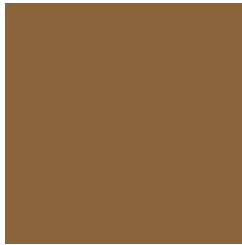
5.6105, 0.1784, 0.1622



0.0665, 0.1997, 0.2388

Previews

White Background



This preview shows how the Yxy color 15.0160, 0.4314, 0.4002 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 15.0160, 0.4314, 0.4002 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 15.0160, 0.4314, 0.4002

Background



This preview shows how black text looks on a background with the Yxy color 15.0160, 0.4314, 0.4002.



This preview shows how white text looks on a background with the Yxy color 15.0160, 0.4314, 0.4002.

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

15.0160, 0.4314, 0.4002

Protanopia

15.0059, 0.3880, 0.4198

Deuteranopia

15.0028, 0.4190, 0.4106



Tritanopia

14.9834, 0.3765, 0.3166

Trichromacy



Original Color

15.0160, 0.4314, 0.4002

Protanomaly

14.9630, 0.4041, 0.4121

Deuteranomaly

15.0527, 0.4246, 0.4072

Tritanomaly

14.9883, 0.3975, 0.3474

Monochromacy



Original Color

15.0160, 0.4314, 0.4002

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.5608, 0.3540, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0160, 0.4314, 0.4002 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, 100, 60)` looks like.

```
.text, #text, p{  
    color:rgb(140, 100, 60)  
}
```

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, 100, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 100, 60) }
```

Border

The CSS property to change the border of an element to Yxy 15.0160, 0.4314, 0.4002 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, 100, 60) }
```

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

```
.border{ border-color:rgb(140, 100, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 100, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 100, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 100, 60);  
box-shadow:4px 4px 4px 4px rgb(140, 100,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0160, 0.4314, 0.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 100, 60) }
```

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

```
.background{ background-color: rgb(140,  
100, 60) }
```

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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