

Converting Colors

$Y_{xy}(15.5072, 0.4972, 0.3964)$

Have a look what the booklet for
Yxy(15.5072, 0.4972, 0.3964)
contains.

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Color

Yxy(15.5419, 0.4970, 0.3967)

Conversions

Conversions Part 1

Format	Color
Hex	A45B2A
RGB	164, 91, 42
RGB Percent	64%, 36%, 16%
CMY	0.3568, 0.6432, 0.8353
CMYK	0.00, 0.45, 0.74, 0.36
HSL	24°, 59%, 40%
HSV	24°, 74%, 64%
XYZ	19.4715, 15.5419, 4.1646
YIQ	107.2410, 59.2370, 0.2370

Conversions

Conversions Part 2

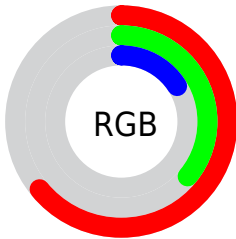
Format	Color
RYB	164, 124, 42
Decimal	10771242
CIELab	46.37, 25.93, 40.14
CIELCh	46, 47.789, 57.145
Yxy	15.5419, 0.4970, 0.3967
Android (android.graphics.Color)	4288961322 (0xFFA45B2A)
YUV	107.2410, -32.1638, 49.7776
Hunter-Lab	39.4232, 19.1720, 21.3329

Details

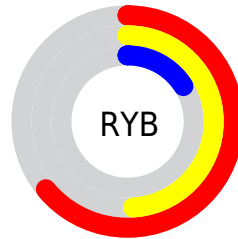
The Yxy color **15.5419, 0.4970, 0.3967** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.4411, 0.2070, 0.2318**, and the grayscale version is **14.8526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7722, 0.4555, 0.3885**, and **4.9272, 0.5582, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **13.8785, 0.5273, 0.3966**, and if you desaturate by 10%, it is **17.4746, 0.4653, 0.3924**.

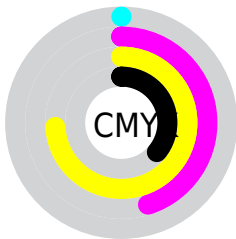
Distribution



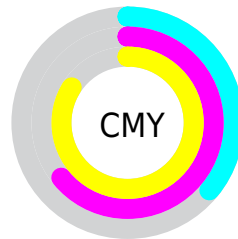
- Red (64%)
- Green (36%)
- Blue (16%)



- Red (64%)
- Yellow (49%)
- Blue (16%)



- Cyan (0%)
- Magenta (45%)
- Yellow (74%)
- Black (36%)





- Cyan (36%)
- Magenta (64%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5419, 0.4970, 0.3967 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 15.5419, 0.4970, 0.3967 by changing the saturation by 10% instead.


 15.5419, 0.4970,
0.3967


 15.5419, 0.4970,
0.3967


226.6232, 0.3911,
0.3664


 9.2006, 0.5261,
0.3994


 35.8011, 0.4558,
0.3882


 4.8722, 0.5681,
0.4013

 50.4877, 0.4410,
0.3840

 2.1725, 0.6131,
0.3869

 68.7249, 0.4289,
0.3802

 0.7049, 0.6639,
0.3361

 90.8971, 0.4188,
0.3768

 0.0000, 1.0000,
0.0000

 117.3886, 0.4102,
0.3737

 0.0000, 0.0000,
0.0000

 148.5838, 0.4029,

0.3710

184.8672, 0.3966,
0.3686

■ 15.5419, 0.4970,
0.3967

■ 15.5419, 0.4970,
0.3967

■ 13.8785, 0.5273,
0.3966

■ 17.4746, 0.4653,
0.3924

■ 12.4671, 0.5539,
0.3915

■ 19.6873, 0.4343,
0.3848

■ 11.7736, 0.5677,
0.3874

■ 22.1930, 0.4055,
0.3753

■ 25.0031, 0.3795,
0.3647

■ 28.1281, 0.3566,
0.3539

■ 31.5781, 0.3367,
0.3433

■ 35.3628, 0.3195,
0.3332

■ 39.4912, 0.3047,
0.3238

■ 43.9721, 0.2920,
0.3151

Harmonies

Analogous

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



15.5419, 0.4876, 0.3302



15.5419, 0.4970, 0.3967



15.5419, 0.4512, 0.4623

Triad

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



15.5419, 0.4970, 0.3967



15.5419, 0.2076, 0.3926



15.5419, 0.2328, 0.1938

Complementary

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



15.5419, 0.4970, 0.3967



15.4411, 0.2070, 0.2318

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.



15.5419, 0.1779, 0.1922



15.5419, 0.4970, 0.3967



15.5419, 0.1638, 0.2889

Square

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



15.5419, 0.4970, 0.3967



15.5419, 0.2839, 0.4852



15.5419, 0.1551, 0.2212



15.5419, 0.3189, 0.2210

Rectangle

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



15.5419, 0.4970, 0.3967



15.5419, 0.4011, 0.4960



15.5419, 0.1551, 0.2212



15.5419, 0.2108, 0.1902

Sweetspot

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



15.5427, 0.4970, 0.3967



52.2356, 0.3524, 0.3518



10.7933, 0.4061, 0.2277



11.0861, 0.3578, 0.3545



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



15.5427, 0.4970, 0.3967



23.5250, 0.5446, 0.3940



30.4579, 0.4205, 0.4756



7.5310, 0.3275, 0.3381



9.1141, 0.5660, 0.3888



0.2827, 0.5033, 0.4386

Inverse Universe

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



15.4411, 0.2070, 0.2318



23.1327, 0.1930, 0.2069



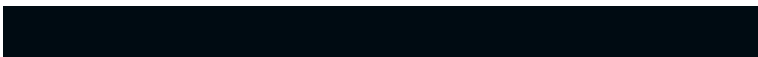
5.8310, 0.1776, 0.1152



7.5317, 0.2987, 0.3198



8.8700, 0.1874, 0.1945



0.2753, 0.2025, 0.2488

Previews

White Background



This preview shows how the Yxy color 15.5419, 0.4970, 0.3967 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 15.5419, 0.4970, 0.3967 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 15.5419, 0.4970, 0.3967

Background



This preview shows how black text looks on a background with the Yxy color 15.5419, 0.4970, 0.3967.



This preview shows how white text looks on a background with the Yxy color 15.5419, 0.4970, 0.3967.

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

15.5419, 0.4970, 0.3967

Protanopia

15.7932, 0.4079, 0.4478

Deuteranopia

15.6464, 0.4468, 0.4402



Tritanopia

15.6438, 0.4337, 0.3201

Trichromacy



Original Color

15.5419, 0.4970, 0.3967

Protanomaly

15.5012, 0.4404, 0.4286

Deuteranomaly

15.4639, 0.4654, 0.4245

Tritanomaly

15.5809, 0.4602, 0.3506

Monochromacy



Original Color

15.5419, 0.4970, 0.3967

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.5211, 0.3796, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5419, 0.4970, 0.3967 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(164, 91, 42)` looks like.

```
.text, #text, p{  
  color:rgb(164, 91, 42)  
}
```

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(164, 91, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 91, 42) }
```

Border

The CSS property to change the border of an element to Yxy 15.5419, 0.4970, 0.3967 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(164, 91, 42) }
```

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

```
.border{ border-color:rgb(164, 91, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 91, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 91, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 91, 42);  
box-shadow:4px 4px 4px 4px rgb(164, 91,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5419, 0.4970, 0.3967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 91, 42) }
```

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

```
.background{ background-color: rgb(164, 91,  
42) }
```

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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