

Converting Colors

$Y_{xy}(15.6447, 0.4581, 0.3766)$

Have a look what the booklet for
Yxy(15.6447, 0.4581, 0.3766)
contains.

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Color

Yxy(15.6447, 0.4581, 0.3766)

Conversions

Conversions Part 1

Format	Color
Hex	9E5E40
RGB	158, 94, 64
RGB Percent	62%, 37%, 25%
CMY	0.3803, 0.6314, 0.7490
CMYK	0.00, 0.41, 0.59, 0.38
HSL	19°, 42%, 44%
HSV	19°, 59%, 62%
XYZ	19.0304, 15.6447, 6.8669
YIQ	109.7160, 47.7740, 4.2380

Conversions

Conversions Part 2

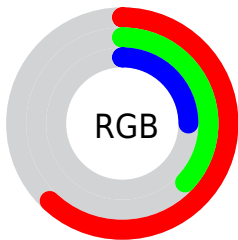
Format	Color
RYB	158, 108, 64
Decimal	10378816
CIELab	46.50, 23.09, 28.16
CIElCh	47, 36.416, 50.645
Yxy	15.6447, 0.4581, 0.3766
Android (android.graphics.Color)	4288568896 (0xFF9E5E40)
YUV	109.7160, -22.5380, 42.3451
Hunter-Lab	39.5534, 16.6635, 17.3940

Details

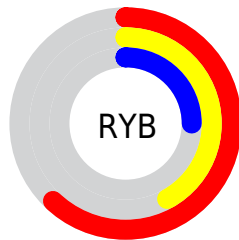
The Yxy color **15.6447, 0.4581, 0.3766** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.0005, 0.2281, 0.2707**, and the grayscale version is **15.5632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0196, 0.4243, 0.3695**, and **4.9671, 0.5194, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **13.7085, 0.4933, 0.3809**, and if you desaturate by 10%, it is **17.9003, 0.4251, 0.3699**.

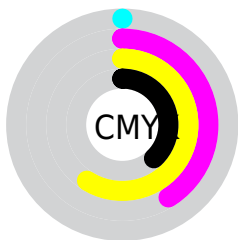
Distribution



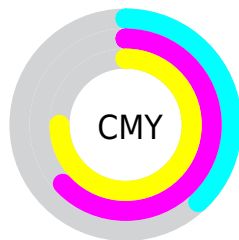
- Red (62%)
- Green (37%)
- Blue (25%)



- Red (62%)
- Yellow (42%)
- Blue (25%)



- Cyan (0%)
- Magenta (41%)
- Yellow (59%)
- Black (38%)



- Cyan (38%)
- Magenta (63%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6447, 0.4581, 0.3766 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 15.6447, 0.4581, 0.3766 by changing the saturation by 10% instead.


 15.6447, 0.4581,
0.3766


 15.6447, 0.4581,
0.3766


227.2359, 0.3726,
0.3534


 9.2731, 0.4840,
0.3805


 35.9803, 0.4236,
0.3690


 4.9197, 0.5197,
0.3830

 50.7130, 0.4117,
0.3659


 2.2002, 0.5981,
0.3981

 69.0016, 0.4021,
0.3631

 0.7201, 0.6465,
0.3535

 91.2304, 0.3941,
0.3606

 0.0000, 1.0000,
0.0000

 117.7839, 0.3874,
0.3585

 0.0000, 0.0000,
0.0000

 149.0464, 0.3817,

0.3566

185.4022, 0.3768,
0.3549

■ 15.6447, 0.4581,
0.3766

■ 15.6447, 0.4581,
0.3766

■ 13.7085, 0.4933,
0.3809

■ 17.9003, 0.4251,
0.3699

■ 12.0738, 0.5284,
0.3817

■ 20.4870, 0.3954,
0.3618

■ 10.7245, 0.5606,
0.3779

■ 23.4191, 0.3694,
0.3533

■ 9.6363, 0.5880,
0.3706

■ 26.7090, 0.3471,
0.3447

■ 9.5877, 0.5894,
0.3702

■ 30.3686, 0.3281,
0.3364

■ 34.4093, 0.3120,
0.3286

■ 38.8419, 0.2983,
0.3214

■ 43.6768, 0.2867,
0.3148

■ 48.9240, 0.2768,
0.3088

Harmonies

Analogous

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



15.6447, 0.4379, 0.3223



15.6447, 0.4581, 0.3766



15.6447, 0.4341, 0.4279

Triad

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



15.6447, 0.4581, 0.3766



15.6447, 0.2438, 0.3941



15.6447, 0.2389, 0.2185

Complementary

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



15.6447, 0.4581, 0.3766



19.0005, 0.2281, 0.2707

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.



15.6447, 0.1989, 0.2237



15.6447, 0.4581, 0.3766



15.6447, 0.2005, 0.3165

Square

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



15.6447, 0.4581, 0.3766



15.6447, 0.3087, 0.4523



15.6447, 0.1857, 0.2557



15.6447, 0.3028, 0.2364

Rectangle

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



15.6447, 0.4581, 0.3766



15.6447, 0.3995, 0.4534



15.6447, 0.1857, 0.2557



15.6447, 0.2226, 0.2175

Sweetspot

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



15.6455, 0.4581, 0.3766



49.2225, 0.3448, 0.3437



12.5018, 0.3661, 0.2306



10.7047, 0.3505, 0.3460



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



15.6455, 0.4581, 0.3766



23.9778, 0.5036, 0.3815



26.6242, 0.4098, 0.4449



6.9745, 0.3277, 0.3362



7.7422, 0.5879, 0.3714



0.2101, 0.5180, 0.4269

Inverse Universe

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



19.0005, 0.2281, 0.2707



30.4970, 0.2144, 0.2555



9.4788, 0.2071, 0.1745



7.1522, 0.2988, 0.3217



10.5696, 0.1955, 0.2236



0.2615, 0.2085, 0.2707

Previews

White Background



This preview shows how the Yxy color 15.6447, 0.4581, 0.3766 looks on a white background.

Color Contrast Check

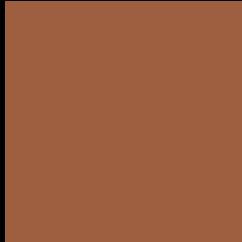
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6447, 0.4581, 0.3766 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 15.6447, 0.4581, 0.3766

Background



This preview shows how black text looks on a background with the Yxy color 15.6447, 0.4581, 0.3766.



This preview shows how white text looks on a background with the Yxy color 15.6447, 0.4581, 0.3766.

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

15.6447, 0.4581, 0.3766

Protanopia

15.8760, 0.3798, 0.4109

Deuteranopia

15.8068, 0.4150, 0.4096



Tritanopia

15.6304, 0.4143, 0.3196

Trichromacy



Original Color

15.6447, 0.4581, 0.3766

Protanomaly

15.5888, 0.4068, 0.3981

Deuteranomaly

15.7013, 0.4296, 0.3973

Tritanomaly

15.4932, 0.4319, 0.3407

Monochromacy



Original Color

15.6447, 0.4581, 0.3766

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.2030, 0.3617, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6447, 0.4581, 0.3766 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(158, 94, 64)` looks like.

```
.text, #text, p{  
    color:rgb(158, 94, 64)  
}
```

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(158, 94, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 94, 64) }
```

Border

The CSS property to change the border of an element to Yxy 15.6447, 0.4581, 0.3766 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(158, 94, 64) }
```

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

```
.border{ border-color:rgb(158, 94, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 94, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 94, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 94, 64);  
box-shadow:4px 4px 4px 4px rgb(158, 94,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6447, 0.4581, 0.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 94, 64) }
```

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

```
.background{ background-color: rgb(158, 94,  
64) }
```

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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