

Converting Colors

$Y_{xy}(15.5837, 0.3588, 0.4499)$

Have a look what the booklet for
Yxy(15.5837, 0.3588, 0.4499)
contains.

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Color

Yxy(15.5837, 0.3588, 0.4499)

Conversions

Conversions Part 1

Format	Color
Hex	65743C
RGB	101, 116, 60
RGB Percent	40%, 45%, 24%
CMY	0.6039, 0.5451, 0.7647
CMYK	0.13, 0.00, 0.48, 0.55
HSL	76°, 32%, 35%
HSV	76°, 48%, 45%
XYZ	12.4282, 15.5837, 6.6263
YIQ	105.1310, 9.0360, -20.5960

Conversions

Conversions Part 2

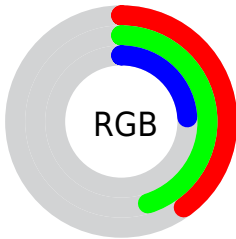
Format	Color
RYB	60, 116, 75
Decimal	6648892
CIELab	46.42, -15.29, 28.96
CIElCh	46, 32.745, 117.827
Yxy	15.5837, 0.3588, 0.4499
Android (android.graphics.Color)	4284838972 (0xFF65743C)
YUV	105.1310, -22.2496, -3.6229
Hunter-Lab	39.4762, -12.8868, 17.6812

Details

The Yxy color **15.5837, 0.3588, 0.4499** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.9869, 0.2479, 0.1936**, and the grayscale version is **14.2239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8817, 0.3493, 0.4192**, and **4.8960, 0.3699, 0.5083** is the 20% darker color. If you saturate the color by 10%, you get **15.2990, 0.3660, 0.4739**, and if you desaturate by 10%, it is **15.9035, 0.3503, 0.4245**.

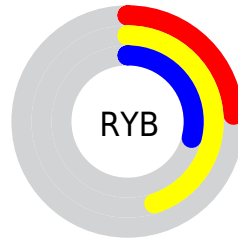
Distribution



Red (40%)

Green (45%)

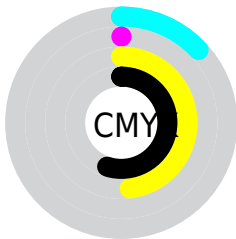
Blue (24%)



Red (24%)

Yellow (45%)

Blue (29%)

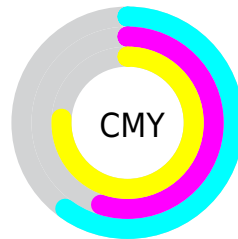


Cyan (13%)

Magenta (0%)

Yellow (48%)

Black (55%)



Cyan (60%)

Magenta (55%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.5837, 0.3588, 0.4499 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 15.5837, 0.3588, 0.4499 by changing the saturation by 10% instead.

15.5837, 0.3588,
0.4499

15.5837, 0.3588,
0.4499

226.8725, 0.3339,
0.3770

9.2301, 0.3647,
0.4735

35.8740, 0.3496,
0.4197

4.8915, 0.3710,
0.5072

50.5794, 0.3461,
0.4095

2.1838, 0.4017,
0.5983

68.8375, 0.3432,
0.4014

0.7111, 0.2986,
0.7014

91.0327, 0.3408,
0.3947

0.0000, 0.0000,
0.0000

117.5494, 0.3387,
0.3892

148.7720, 0.3368,

0.3845

185.0849, 0.3353,
0.3804

■ 15.5837, 0.3588,
0.4499

■ 15.5837, 0.3588,
0.4499

■ 15.2990, 0.3660,
0.4739

■ 15.9035, 0.3503,
0.4245

■ 15.0454, 0.3713,
0.4955

■ 16.2579, 0.3409,
0.3986

■ 14.8216, 0.3746,
0.5138


■ 16.6493, 0.3310,
0.3730

■ 14.6251, 0.3755,
0.5279

■ 17.0791, 0.3209,
0.3484

■ 14.4494, 0.3747,
0.5389


■ 17.5486, 0.3110,
0.3251

 14.4200, 0.3746,
0.5408

 18.0592, 0.3015,
0.3034

 18.6121, 0.2924,
0.2834

 19.2084, 0.2838,
0.2652

 19.8493, 0.2759,
0.2486

Harmonies

Analogous

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



15.5837, 0.4135, 0.4290



15.5837, 0.3588, 0.4499



15.5837, 0.2948, 0.4298

Triad

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



15.5837, 0.3588, 0.4499



15.5837, 0.1972, 0.2536



15.5837, 0.3867, 0.2883

Complementary

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



15.5837, 0.3588, 0.4499



5.9869, 0.2479, 0.1936

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.



15.5837, 0.3202, 0.2510



15.5837, 0.3588, 0.4499



15.5837, 0.2154, 0.2298

Square

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



15.5837, 0.3588, 0.4499



15.5837, 0.2049, 0.3033



15.5837, 0.2581, 0.2300



15.5837, 0.4335, 0.3357

Rectangle

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



15.5837, 0.3588, 0.4499



15.5837, 0.2557, 0.3933



15.5837, 0.2581, 0.2300



15.5837, 0.3655, 0.2744

Sweetspot

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



15.5844, 0.3588, 0.4499



29.5545, 0.3270, 0.3632



9.0614, 0.4202, 0.3616



7.0197, 0.3288, 0.3676



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.5844, 0.3588, 0.4499



26.8365, 0.3667, 0.4766



14.2361, 0.3212, 0.4659



4.2193, 0.3217, 0.3502



16.1728, 0.3743, 0.5410



78.3765, 0.3719, 0.5429

Inverse Universe

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



5.9869, 0.2479, 0.1936



7.7971, 0.2291, 0.1592



7.3712, 0.2948, 0.2099



3.6329, 0.3032, 0.3074



1.7346, 0.1693, 0.0707



8.0856, 0.1649, 0.0682

Previews

White Background



This preview shows how the Yxy color 15.5837, 0.3588, 0.4499 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 15.5837, 0.3588, 0.4499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

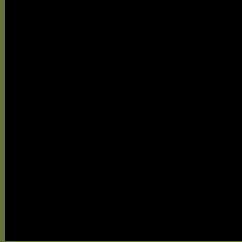
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5837, 0.3588, 0.4499

Background



This preview shows how black text looks on a background with the Yxy color 15.5837, 0.3588, 0.4499.



This preview shows how white text looks on a background with the Yxy color 15.5837, 0.3588, 0.4499.

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

15.5837, 0.3588, 0.4499

Protanopia

15.5223, 0.3952, 0.4312

Deuteranopia

15.5304, 0.4133, 0.4068



Tritanopia

15.4334, 0.3003, 0.3106

Trichromacy



Original Color

15.5837, 0.3588, 0.4499

Protanomaly

15.4815, 0.3818, 0.4371

Deuteranomaly

15.4227, 0.3928, 0.4218

Tritanomaly

15.4547, 0.3219, 0.3611

Monochromacy



Original Color

15.5837, 0.3588, 0.4499

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.6016, 0.3314, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5837, 0.3588, 0.4499 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(101, 116, 60)` looks like.

```
.text, #text, p{  
    color:rgb(101, 116, 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(101, 116, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 116, 60) }
```

Border

The CSS property to change the border of an element to Yxy 15.5837, 0.3588, 0.4499 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(101, 116, 60) }
```

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

```
.border{ border-color:rgb(101, 116, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 116, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 116, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 116, 60);  
box-shadow:4px 4px 4px 4px rgb(101, 116,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5837, 0.3588, 0.4499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 116, 60) }
```

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

```
.background{ background-color: rgb(101,  
116, 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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