

Converting Colors

$Y_{xy}(15.7059, 0.2987, 0.4126)$

Have a look what the booklet for
Yxy(15.7059, 0.2987, 0.4126)
contains.

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Color

$Y_{xy}(15.6253, 0.2985, 0.4115)$

Conversions

Conversions Part 1

Format	Color
Hex	4C7855
RGB	76, 120, 85
RGB Percent	30%, 47%, 33%
CMY	0.7021, 0.5294, 0.6667
CMYK	0.37, 0.00, 0.29, 0.53
HSL	132°, 22%, 38%
HSV	132°, 37%, 47%
XYZ	11.3345, 15.6253, 11.0118
YIQ	102.8540, -14.9890, -20.2130

Conversions

Conversions Part 2

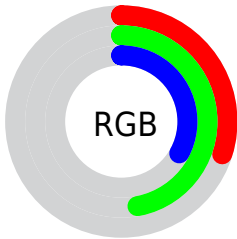
Format	Color
R_{YB}	76, 113, 120
Decimal	5011541
CIE _{Lab}	46.48, -23.20, 14.54
CIE _{LCh}	46, 27.379, 147.920
Yxy	15.6253, 0.2985, 0.4115
Android (android.graphics.Color)	4283201621 (0xFF4C7855)
YUV	102.8540, -8.8020, -23.5510
Hunter-Lab	39.5289, -17.9924, 11.1535

Details

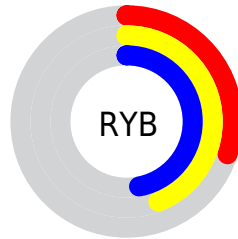
The Yxy color **15.6253, 0.2985, 0.4115** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.3054, 0.3313, 0.2587**, and the grayscale version is **13.5480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1484, 0.3030, 0.3902**, and **4.9066, 0.2881, 0.4538** is the 20% darker color. If you saturate the color by 10%, you get **15.0381, 0.2952, 0.4389**, and if you desaturate by 10%, it is **16.3260, 0.3022, 0.3859**.

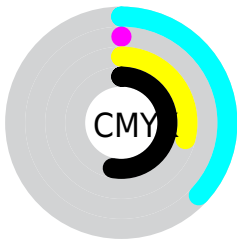
Distribution



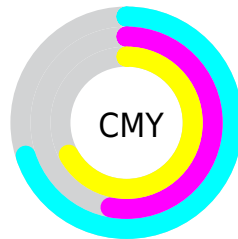
- Red (30%)
- Green (47%)
- Blue (33%)



- Red (30%)
- Yellow (44%)
- Blue (47%)



- Cyan (37%)
- Magenta (0%)
- Yellow (29%)
- Black (53%)





- Cyan (70%)
- Magenta (53%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6253, 0.2985, 0.4115 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 15.6253, 0.2985, 0.4115 by changing the saturation by 10% instead.


 15.6253, 0.2985,
0.4115


 15.6253, 0.2985,
0.4115


227.1204, 0.3079,
0.3608


 9.2594, 0.2948,
0.4291


 35.9465, 0.3028,
0.3900


 4.9108, 0.2886,
0.4559

 50.6705, 0.3041,
0.3830

 2.1950, 0.2768,
0.5016

 68.9494, 0.3051,
0.3774

 0.7173, 0.1386,
0.8614

 91.1676, 0.3059,
0.3728

 0.0000, 0.0000,
0.0000

 117.7094, 0.3065,
0.3691

148.9592, 0.3071,

0.3659

185.3014, 0.3075,
0.3632

■ 15.6253, 0.2985,
0.4115

■ 15.6253, 0.2985,
0.4115

■ 15.0381, 0.2952,
0.4389

■ 16.3260, 0.3022,
0.3859

■ 14.5565, 0.2926,
0.4675

■ 17.1436, 0.3061,
0.3626

■ 14.1746, 0.2910,
0.4960

■ 18.0840, 0.3101,
0.3417


■ 13.8852, 0.2904,
0.5233

■ 19.1519, 0.3140,
0.3231


■ 13.6802, 0.2910,
0.5476

■ 20.3520, 0.3178,
0.3068

 13.5432, 0.2924,
0.5679

 21.6885, 0.3214,
0.2926

 13.5034, 0.2927,
0.5738

 23.1657, 0.3248,
0.2801

 24.7873, 0.3280,
0.2693

 26.5573, 0.3310,
0.2599

Harmonies

Analogous

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



15.6253, 0.3526, 0.4294



15.6253, 0.2985, 0.4115



15.6253, 0.2508, 0.3639

Triad

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



15.6253, 0.2985, 0.4115



15.6253, 0.2300, 0.2447



15.6253, 0.4136, 0.3362

Complementary

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



15.6253, 0.2985, 0.4115



10.3054, 0.3313, 0.2587

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.



15.6253, 0.3748, 0.2950



15.6253, 0.2985, 0.4115



15.6253, 0.2670, 0.2444

Square

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



15.6253, 0.2985, 0.4115



15.6253, 0.2140, 0.2660



15.6253, 0.3197, 0.2625



15.6253, 0.4217, 0.3789

Rectangle

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



15.6253, 0.2985, 0.4115



15.6253, 0.2285, 0.3262



15.6253, 0.3197, 0.2625



15.6253, 0.4036, 0.3219

Sweetspot

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



15.6260, 0.2985, 0.4115



31.0184, 0.3083, 0.3509



17.3488, 0.3530, 0.4194



7.3095, 0.3078, 0.3532



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.6260, 0.2985, 0.4115



26.5999, 0.2957, 0.4344



16.0274, 0.2763, 0.3589



4.4622, 0.3091, 0.3465



14.7274, 0.2929, 0.5744



70.1495, 0.2949, 0.5817

Inverse Universe

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



10.3054, 0.3313, 0.2587



15.7956, 0.3368, 0.2431



9.8824, 0.3703, 0.3015



4.0641, 0.3165, 0.3121



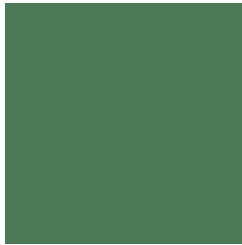
5.2635, 0.3785, 0.1858



24.9825, 0.3820, 0.1878

Previews

White Background



This preview shows how the Yxy color 15.6253, 0.2985, 0.4115 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 15.6253, 0.2985, 0.4115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

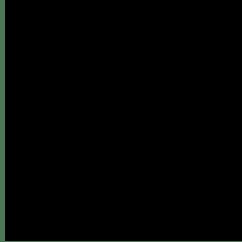
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6253, 0.2985, 0.4115

Background



This preview shows how black text looks on a background with the Yxy color 15.6253, 0.2985, 0.4115.



This preview shows how white text looks on a background with the Yxy color 15.6253, 0.2985, 0.4115.

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

15.6253, 0.2985, 0.4115

Protanopia

15.5826, 0.3632, 0.3904

Deuteranopia

15.3969, 0.3699, 0.3624



Tritanopia

15.6015, 0.2664, 0.3096

Trichromacy



Original Color

15.6253, 0.2985, 0.4115

Protanomaly

15.5274, 0.3372, 0.3987

Deuteranomaly

15.0912, 0.3409, 0.3782

Tritanomaly

15.5977, 0.2777, 0.3446

Monochromacy



Original Color

15.6253, 0.2985, 0.4115

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.1090, 0.3073, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6253, 0.2985, 0.4115 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(76, 120, 85)` looks like.

```
.text, #text, p{  
    color:rgb(76, 120, 85)  
}
```

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(76, 120, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 120, 85) }
```

Border

The CSS property to change the border of an element to Yxy 15.6253, 0.2985, 0.4115 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(76, 120, 85) }
```

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

```
.border{ border-color:rgb(76, 120, 85) }
```

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

Here you see how a box with a 4 pixel rgb(76, 120, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 120, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 120, 85);  
box-shadow:4px 4px 4px 4px rgb(76, 120,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6253, 0.2985, 0.4115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 120, 85) }
```

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

```
.background{ background-color: rgb(76, 120,  
85) }
```

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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