

# Converting Colors

$Y_{xy}(16.1335, 0.3327, 0.4285)$

Have a look what the booklet for  
Yxy(16.1335, 0.3327, 0.4285)  
contains.

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# Color

**$\text{Yxy}(16.0677, 0.3325, 0.4292)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	5E774A
RGB	94, 119, 74
RGB Percent	37%, 47%, 29%
CMY	0.6314, 0.5333, 0.7099
CMYK	0.21, 0.00, 0.38, 0.53
HSL	93°, 23%, 38%
HSV	93°, 38%, 47%
XYZ	12.4476, 16.0677, 8.9211
YIQ	106.3950, -0.4550, -19.2950

# Conversions

## Conversions Part 2

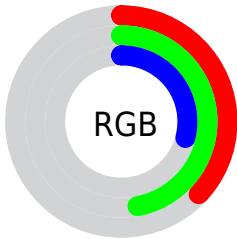
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 119, 99
Decimal	6190922
CIELab	47.06, -17.91, 21.86
CIELCh	47, 28.263, 129.324
Yxy	16.0677, 0.3325, 0.4292
Android (android.graphics.Color)	4284381002 (0xFF5E774A)
YUV	106.3950, -15.9707, -10.8704
Hunter-Lab	40.0845, -14.7177, 14.8638

# Details

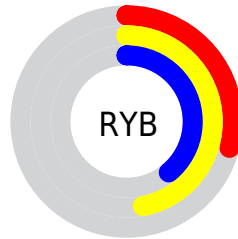
The Yxy color **16.0677, 0.3325, 0.4292** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.8805, 0.2845, 0.2313**, and the grayscale version is **14.5714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5756, 0.3290, 0.4036**, and **5.0499, 0.3358, 0.4792** is the 20% darker color. If you saturate the color by 10%, you get **15.5882, 0.3363, 0.4585**, and if you desaturate by 10%, it is **16.6089, 0.3278, 0.4005**.

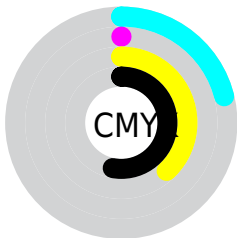
# Distribution



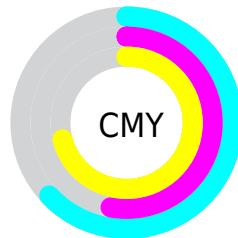
- Red (37%)
- Green (47%)
- Blue (29%)



- Red (29%)
- Yellow (47%)
- Blue (39%)



- Cyan (21%)
- Magenta (0%)
- Yellow (38%)
- Black (53%)




- Cyan (63%)
- Magenta (53%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0677, 0.3325, 0.4292 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 16.0677, 0.3325, 0.4292 by changing the saturation by 10% instead.





 16.0677, 0.3325,  
0.4292


 16.0677, 0.3325,  
0.4292


229.7409, 0.3223,  
0.3683


 9.5721, 0.3346,  
0.4496


 36.7157, 0.3289,  
0.4037


 5.1162, 0.3365,  
0.4800

 51.6369, 0.3275,  
0.3952

 2.3156, 0.3409,  
0.5367

 70.1353, 0.3263,  
0.3884

 0.7819, 0.2813,  
0.7187

 92.5955, 0.3253,  
0.3829

 0.0000, 0.0000,  
0.0000

 119.4017, 0.3244,  
0.3783

150.9384, 0.3236,

0.3745

187.5900, 0.3229,  
0.3712

■ 16.0677, 0.3325,  
0.4292

■ 16.0677, 0.3325,  
0.4292

■ 15.5882, 0.3363,  
0.4585

■ 16.6089, 0.3278,  
0.4005

■ 15.1658, 0.3390,  
0.4872

■ 17.2120, 0.3226,  
0.3731

■ 14.7987, 0.3400,  
0.5141


■ 17.8800, 0.3171,  
0.3475


■ 14.4837, 0.3393,  
0.5377


■ 18.6147, 0.3115,  
0.3241

■ 14.2178, 0.3367,  
0.5567

■ 19.4183, 0.3060,  
0.3028

 13.9936, 0.3328,  
0.5714

 20.2925, 0.3008,  
0.2837

 13.9486, 0.3320,  
0.5746

 21.2392, 0.2958,  
0.2665

 22.2600, 0.2910,  
0.2512

 23.3567, 0.2866,  
0.2375

# Harmonies

## Analogous

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



16.0677, 0.3842, 0.4254



16.0677, 0.3325, 0.4292



16.0677, 0.2780, 0.3976

# Triad

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



16.0677, 0.3325, 0.4292



16.0677, 0.2155, 0.2537



16.0677, 0.3943, 0.3095

# Complementary

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



16.0677, 0.3325, 0.4292



8.8805, 0.2845, 0.2313

# 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.



16.0677, 0.3419, 0.2723



16.0677, 0.3325, 0.4292



16.0677, 0.2403, 0.2404

# Square

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



16.0677, 0.3325, 0.4292



16.0677, 0.2136, 0.2891



16.0677, 0.2851, 0.2477



16.0677, 0.4231, 0.3529



# Rectangle

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



16.0677, 0.3325, 0.4292



16.0677, 0.2475, 0.3620



16.0677, 0.2851, 0.2477



16.0677, 0.3786, 0.2961

# Sweetspot

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



16.0684, 0.3325, 0.4292



31.5887, 0.3190, 0.3561



13.2924, 0.3804, 0.3807



7.4558, 0.3196, 0.3588



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.



16.0684, 0.3325, 0.4292



28.0488, 0.3358, 0.4536



15.1755, 0.3053, 0.4317



4.1704, 0.3177, 0.3505



14.8124, 0.3318, 0.5748



71.6907, 0.3281, 0.5777



# Inverse Universe

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



8.8805, 0.2845, 0.2313



13.2881, 0.2763, 0.2082



10.0966, 0.3205, 0.2442



3.6808, 0.3073, 0.3076



2.6446, 0.2169, 0.0968

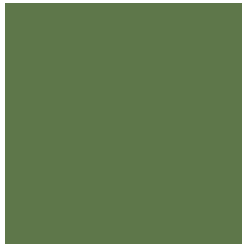


12.3735, 0.2119, 0.0941



# Previews

## White Background



This preview shows how the Yxy color 16.0677, 0.3325, 0.4292 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 16.0677, 0.3325, 0.4292 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

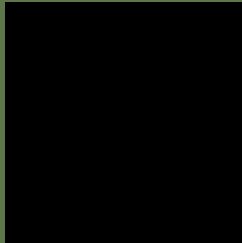
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 16.0677, 0.3325, 0.4292**

## **Background**



This preview shows how black text looks on a background with the Yxy color 16.0677, 0.3325, 0.4292.



This preview shows how white text looks on a background with the Yxy color 16.0677, 0.3325, 0.4292.

# 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

16.0677, 0.3325, 0.4292

### Protanopia

15.8888, 0.3786, 0.4090

### Deuteranopia

16.0378, 0.3914, 0.3858



## Tritanopia

15.9821, 0.2872, 0.3104

# Trichromacy



## Original Color

16.0677, 0.3325, 0.4292

## Protanomaly

15.8820, 0.3607, 0.4169

## Deuteranomaly

15.8126, 0.3693, 0.4000

## Tritanomaly

15.8781, 0.3028, 0.3505

# Monochromacy



## Original Color

16.0677, 0.3325, 0.4292

## Achromatopsia

14.4128, 0.3127, 0.3290

## Achromatomaly

15.0018, 0.3218, 0.3661

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 16.0677, 0.3325, 0.4292 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(94, 119, 74)` looks like.

```
.text, #text, p{  
    color:rgb(94, 119, 74)  
}
```

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(94, 119, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 119, 74) }
```

## Border

The CSS property to change the border of an element to Yxy 16.0677, 0.3325, 0.4292 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(94, 119, 74) }
```

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

```
.border{ border-color:rgb(94, 119, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 119, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 119, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 119, 74);  
box-shadow:4px 4px 4px 4px rgb(94, 119,  
74) }
```



# Background

The CSS property to change the background color of an element to Yxy 16.0677, 0.3325, 0.4292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 119, 74) }
```

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

```
.background{ background-color: rgb(94, 119,  
74) }
```

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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