

# Converting Colors

$Y_{xy}(18.5609, 0.3431, 0.4259)$

Have a look what the booklet for  
Yxy(18.5609, 0.3431, 0.4259)  
contains.

<b>Yxy(18.6599, 0.3437, 0.4270)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(18.6599, 0.3437, 0.4270)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6C7E4E
RGB	108, 126, 78
RGB Percent	42%, 49%, 31%
CMY	0.5765, 0.5059, 0.6941
CMYK	0.14, 0.00, 0.38, 0.51
HSL	83°, 24%, 40%
HSV	83°, 38%, 49%
XYZ	15.0197, 18.6599, 10.0204
YIQ	115.1460, 4.6800, -18.7440

# Conversions

## Conversions Part 2

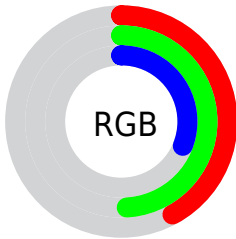
<b>Format</b>	<b>Color</b>
<b>RYB</b>	78, 126, 96
Decimal	7110222
CIELab	50.29, -15.40, 23.99
CIElCh	50, 28.508, 122.696
Yxy	18.6599, 0.3437, 0.4270
Android (android.graphics.Color)	4285300302 (0xFF6C7E4E)
YUV	115.1460, -18.3130, -6.2670
Hunter-Lab	43.1971, -13.5303, 16.4845

# Details

The Yxy color **18.6599, 0.3437, 0.4270** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.4459, 0.2712, 0.2263**, and the grayscale version is **17.2467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2723, 0.3372, 0.4032**, and **6.3418, 0.3521, 0.4732** is the 20% darker color. If you saturate the color by 10%, you get **18.2083, 0.3504, 0.4541**, and if you desaturate by 10%, it is **19.1638, 0.3360, 0.3998**.

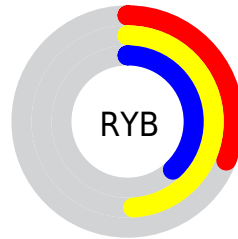
# Distribution



Red (42%)

Green (49%)

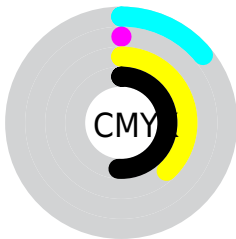
Blue (31%)



Red (31%)

Yellow (49%)

Blue (38%)

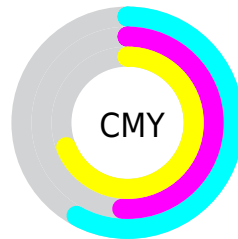


Cyan (14%)

Magenta (0%)

Yellow (38%)

Black (51%)



Cyan (58%)

Magenta (51%)


Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6599, 0.3437, 0.4270 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 18.6599, 0.3437, 0.4270 by changing the saturation by 10% instead.





 18.6599, 0.3437,  
0.4270


 18.6599, 0.3437,  
0.4270


244.5647, 0.3272,  
0.3690


 11.4248, 0.3477,  
0.4454


 41.1586, 0.3376,  
0.4033


 6.3533, 0.3524,  
0.4718


 57.1910, 0.3354,  
0.3952


 3.0611, 0.3576,  
0.5135

 76.9246, 0.3334,  
0.3887

 1.1637, 0.3778,  
0.6222

 100.7438, 0.3318,  
0.3834

 0.0318, 0.0000,  
1.0000

 129.0331, 0.3304,  
0.3789

 0.0000, 0.0000,  
0.0000

162.1767, 0.3292,

0.3751

200.5591, 0.3282,  
0.3719

■ 18.6599, 0.3437,  
0.4270

■ 18.6599, 0.3437,  
0.4270

■ 18.2083, 0.3504,  
0.4541

■ 19.1638, 0.3360,  
0.3998

■ 17.8045, 0.3558,  
0.4801

■ 19.7198, 0.3279,  
0.3733

■ 17.4466, 0.3593,  
0.5038


■ 20.3304, 0.3195,  
0.3482

■ 17.1322, 0.3608,  
0.5242

■ 20.9977, 0.3111,  
0.3246


■ 16.8579, 0.3600,  
0.5402

■ 21.7233, 0.3030,  
0.3029


 16.6167, 0.3574,  
0.5525

 22.5088, 0.2953,  
0.2831

 16.5724, 0.3569,  
0.5548

 23.3559, 0.2880,  
0.2652

 24.2660, 0.2812,  
0.2490

 25.2407, 0.2748,  
0.2344

# Harmonies

## Analogous

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



18.6599, 0.3908, 0.4170



18.6599, 0.3437, 0.4270



18.6599, 0.2906, 0.4039

# Triad

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



18.6599, 0.3437, 0.4270



18.6599, 0.2167, 0.2624



18.6599, 0.3813, 0.3017

# Complementary

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



18.6599, 0.3437, 0.4270



9.4459, 0.2712, 0.2263

# 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.



18.6599, 0.3285, 0.2679



18.6599, 0.3437, 0.4270



18.6599, 0.2359, 0.2447

# Square

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



18.6599, 0.3437, 0.4270



18.6599, 0.2200, 0.3011



18.6599, 0.2753, 0.2475



18.6599, 0.4152, 0.3429



# Rectangle

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



18.6599, 0.3437, 0.4270



18.6599, 0.2591, 0.3726



18.6599, 0.2753, 0.2475



18.6599, 0.3649, 0.2892

# Sweetspot

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



18.6607, 0.3437, 0.4270



35.4314, 0.3221, 0.3560



13.2813, 0.3877, 0.3645



8.0329, 0.3230, 0.3587



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290



# Same Dimension

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



18.6607, 0.3437, 0.4270



32.1244, 0.3498, 0.4514



17.3773, 0.3147, 0.4365



4.9413, 0.3203, 0.3507



16.9978, 0.3568, 0.5549



0.0000, 0.0000, 0.0000



# Inverse Universe

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



9.4459, 0.2712, 0.2263



13.3864, 0.2586, 0.1993



10.9224, 0.3069, 0.2364



4.2843, 0.3046, 0.3071



2.1705, 0.1836, 0.0785



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the Yxy color 18.6599, 0.3437, 0.4270 looks on a white 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



# Black Background



This preview shows how the Yxy color 18.6599, 0.3437, 0.4270 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

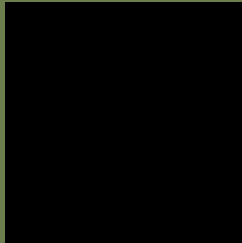
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 18.6599, 0.3437, 0.4270**

## **Background**



This preview shows how black text looks on a background with the Yxy color 18.6599, 0.3437, 0.4270.



This preview shows how white text looks on a background with the Yxy color 18.6599, 0.3437, 0.4270.

# 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

18.6599, 0.3437, 0.4270

### Protanopia

18.4475, 0.3808, 0.4114

### Deuteranopia

18.4683, 0.3951, 0.3875



## Tritanopia

18.6628, 0.2966, 0.3118

# Trichromacy



## Original Color

18.6599, 0.3437, 0.4270

## Protanomaly

18.5784, 0.3666, 0.4181

## Deuteranomaly

18.2819, 0.3755, 0.4007

## Tritanomaly

18.4896, 0.3141, 0.3529

# Monochromacy



## Original Color

18.6599, 0.3437, 0.4270

## Achromatopsia

17.1441, 0.3127, 0.3290

## Achromatomaly

17.5977, 0.3238, 0.3635

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 18.6599, 0.3437, 0.4270 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(108, 126, 78)` looks like.

```
.text, #text, p{  
    color:rgb(108, 126, 78)  
}
```

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(108, 126, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 126, 78) }
```

## Border

The CSS property to change the border of an element to Yxy 18.6599, 0.3437, 0.4270 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(108, 126, 78) }
```

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

```
.border{ border-color:rgb(108, 126, 78) }
```

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

Here you see how a box with a 4 pixel rgb(108, 126, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 126, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 126, 78);  
box-shadow:4px 4px 4px 4px rgb(108, 126,  
78) }
```



# Background

The CSS property to change the background color of an element to Yxy 18.6599, 0.3437, 0.4270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 126, 78) }
```

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

```
.background{ background-color: rgb(108,  
126, 78) }
```

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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