

# Converting Colors

$Y_{xy}(15.1803, 0.3121, 0.4321)$

Have a look what the booklet for  
Yxy(15.1803, 0.3121, 0.4321)  
contains.

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# Color

**$Y_{xy}(15.0846, 0.3114, 0.4314)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	4E764B
RGB	78, 118, 75
RGB Percent	31%, 46%, 29%
CMY	0.6942, 0.5372, 0.7059
CMYK	0.34, 0.00, 0.36, 0.54
HSL	116°, 22%, 38%
HSV	116°, 36%, 46%
XYZ	10.8886, 15.0846, 8.9934
YIQ	101.1380, -10.0370, -21.8530

# Conversions

## Conversions Part 2

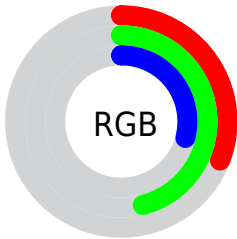
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	75, 118, 115
Decimal	5142091
CIE <sub>Lab</sub>	45.75, -23.33, 19.37
CIE <sub>LCh</sub>	46, 30.317, 140.301
Yxy	15.0846, 0.3114, 0.4314
Android (android.graphics.Color)	4283332171 (0xFF4E764B)
YUV	101.1380, -12.8860, -20.2920
Hunter-Lab	38.8389, -17.9250, 13.4582

# Details

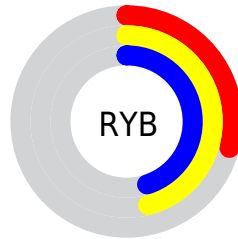
The Yxy color **15.0846, 0.3114, 0.4314** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.9866, 0.3119, 0.2422**, and the grayscale version is **13.0861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8718, 0.3136, 0.4040**, and **4.6260, 0.3053, 0.4873** is the 20% darker color. If you saturate the color by 10%, you get **14.5127, 0.3105, 0.4647**, and if you desaturate by 10%, it is **15.7652, 0.3120, 0.3997**.

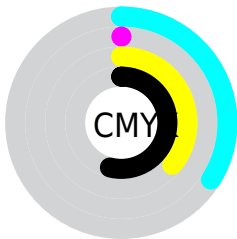
# Distribution



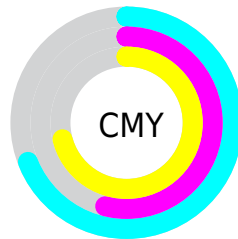
- Red (31%)
- Green (46%)
- Blue (29%)



- Red (29%)
- Yellow (46%)
- Blue (45%)



- Cyan (34%)
- Magenta (0%)
- Yellow (36%)
- Black (54%)




- Cyan (69%)
- Magenta (54%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0846, 0.3114, 0.4314 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 15.0846, 0.3114, 0.4314 by changing the saturation by 10% instead.





 15.0846, 0.3114,  
0.4314


 15.0846, 0.3114,  
0.4314

223.8777, 0.3137,  
0.3681


 8.8788, 0.3095,  
0.4535


 35.0015, 0.3130,  
0.4044


 4.6622, 0.3054,  
0.4873

 49.4814, 0.3133,  
0.3956


 2.0505, 0.3001,  
0.5530

 67.4881, 0.3135,  
0.3886

 0.6365, 0.0529,  
0.9471

 89.4060, 0.3136,  
0.3829

 0.0000, 0.0000,  
0.0000

 115.6196, 0.3137,  
0.3783

146.5131, 0.3137,

0.3743

182.4710, 0.3137,  
0.3710

■ 15.0846, 0.3114,  
0.4314

■ 15.0846, 0.3114,  
0.4314

■ 14.5127, 0.3105,  
0.4647

■ 15.7652, 0.3120,  
0.3997

■ 14.0421, 0.3092,  
0.4982

■ 16.5578, 0.3125,  
0.3706

■ 13.6675, 0.3077,  
0.5298


■ 17.4678, 0.3127,  
0.3443


■ 13.3823, 0.3060,  
0.5573


■ 18.4997, 0.3127,  
0.3211

■ 13.1789, 0.3042,  
0.5787

■ 19.6577, 0.3127,  
0.3007


 13.0465, 0.3026,  
0.5933

 20.9460, 0.3125,  
0.2830

 13.0114, 0.3025,  
0.5980

 22.3683, 0.3123,  
0.2676

 23.9285, 0.3121,  
0.2543

 25.6300, 0.3119,  
0.2427

# Harmonies

## Analogous

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



15.0846, 0.3709, 0.4404



15.0846, 0.3114, 0.4314



15.0846, 0.2553, 0.3840

# Triad

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



15.0846, 0.3114, 0.4314



15.0846, 0.2143, 0.2390



15.0846, 0.4177, 0.3241

# Complementary

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



15.0846, 0.3114, 0.4314



9.9866, 0.3119, 0.2422

# 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.



15.0846, 0.3673, 0.2808



15.0846, 0.3114, 0.4314



15.0846, 0.2493, 0.2335

# Square

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



15.0846, 0.3114, 0.4314



15.0846, 0.2031, 0.2681



15.0846, 0.3042, 0.2487



15.0846, 0.4359, 0.3715



# Rectangle

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



15.0846, 0.3114, 0.4314



15.0846, 0.2272, 0.3414



15.0846, 0.3042, 0.2487



15.0846, 0.4037, 0.3088

# Sweetspot

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



15.0852, 0.3114, 0.4314



29.9116, 0.3126, 0.3566



16.4904, 0.3669, 0.4086



6.8399, 0.3126, 0.3593



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.



15.0852, 0.3114, 0.4314



25.6400, 0.3106, 0.4601



15.2432, 0.2890, 0.3881



4.1092, 0.3126, 0.3508



14.0722, 0.3024, 0.5981



68.4311, 0.3011, 0.5991



# Inverse Universe

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



9.9866, 0.3119, 0.2422



15.2320, 0.3113, 0.2223



9.8055, 0.3470, 0.2768



3.7457, 0.3127, 0.3080



4.9874, 0.3042, 0.1449



24.1516, 0.3033, 0.1444



# Previews

## White Background



This preview shows how the Yxy color 15.0846, 0.3114, 0.4314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

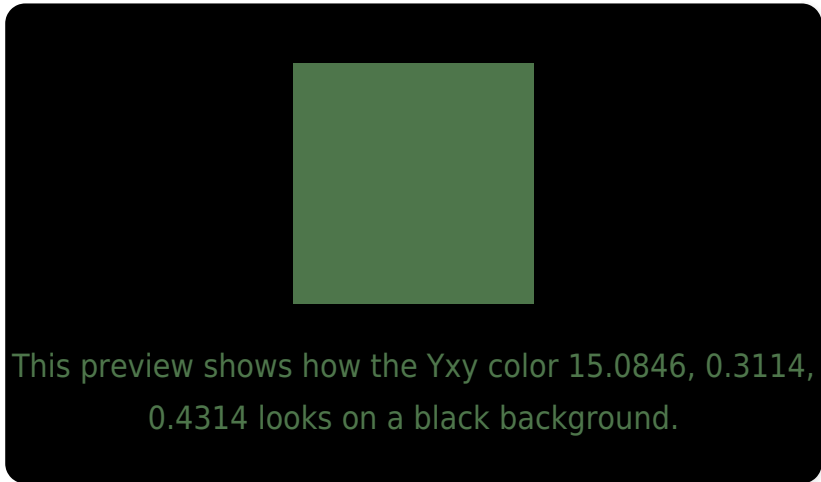
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

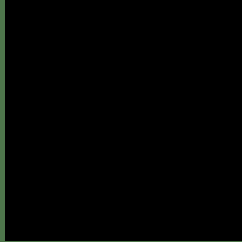
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 15.0846, 0.3114, 0.4314**

## Background



This preview shows how black text looks on a background with the Yxy color 15.0846, 0.3114, 0.4314.



This preview shows how white text looks on a background with the Yxy color 15.0846, 0.3114, 0.4314.

# 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

15.0846, 0.3114, 0.4314

### Protanopia

14.9620, 0.3748, 0.4053

### Deuteranopia

14.8397, 0.3855, 0.3782



## Tritanopia

14.9473, 0.2708, 0.3094

# Trichromacy



## Original Color

15.0846, 0.3114, 0.4314

## Protanomaly

14.9398, 0.3503, 0.4167

## Deuteranomaly

14.5759, 0.3564, 0.3955

## Tritanomaly

14.8731, 0.2857, 0.3517

# Monochromacy



## Original Color

15.0846, 0.3114, 0.4314

## Achromatopsia

13.0136, 0.3127, 0.3290

## Achromatomaly

13.6153, 0.3125, 0.3635

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 15.0846, 0.3114, 0.4314 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(78, 118, 75)` looks like.

```
.text, #text, p{  
    color:rgb(78, 118, 75)  
}
```

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(78, 118, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 118, 75) }
```

## Border

The CSS property to change the border of an element to Yxy 15.0846, 0.3114, 0.4314 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(78, 118, 75) }
```

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

```
.border{ border-color:rgb(78, 118, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 118, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 118, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 118, 75);  
box-shadow:4px 4px 4px 4px rgb(78, 118,  
75) }
```



# Background

The CSS property to change the background color of an element to Yxy 15.0846, 0.3114, 0.4314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 118, 75) }
```

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

```
.background{ background-color: rgb(78, 118,  
75) }
```

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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