

# Converting Colors

$Yxy(34.0830, 0.3547, 0.4096)$

Have a look what the booklet for  
Yxy(34.0830, 0.3547, 0.4096)  
contains.

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# Color

**Yxy(34.0127, 0.3546, 0.4103)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CA26D
RGB	156, 162, 109
RGB Percent	61%, 64%, 43%
CMY	0.3881, 0.3647, 0.5725
CMYK	0.04, 0.00, 0.33, 0.36
HSL	67°, 22%, 53%
HSV	67°, 33%, 64%
XYZ	29.3953, 34.0127, 19.4891
YIQ	154.1640, 13.4370, -17.7550

# Conversions

## Conversions Part 2

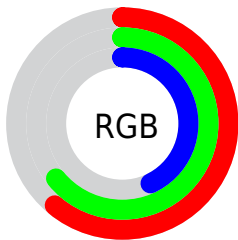
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">109, 162, 115</a>
Decimal	<a href="#">10265197</a>
CIELab	<a href="#">64.97, -10.89, 26.90</a>
CIELCh	<a href="#">65, 29.016, 112.044</a>
Yxy	<a href="#">34.0127, 0.3546, 0.4103</a>
Android (android.graphics.Color)	<a href="#">4288455277 (0xFF9CA26D)</a>
YUV	<a href="#">154.1640, -22.2659, 1.6102</a>
Hunter-Lab	<a href="#">58.3204, -12.0911, 21.0112</a>

# Details

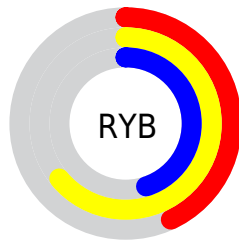
The Yxy color **34.0127, 0.3546, 0.4103** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.1944, 0.2620, 0.2363**, and the grayscale version is **32.4888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0478, 0.3468, 0.3942**, and **14.4318, 0.3662, 0.4357** is the 20% darker color. If you saturate the color by 10%, you get **33.5160, 0.3666, 0.4349**, and if you desaturate by 10%, it is **34.5795, 0.3419, 0.3850**.

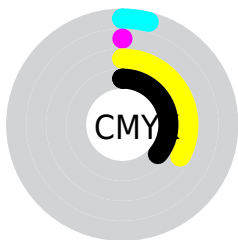
# Distribution



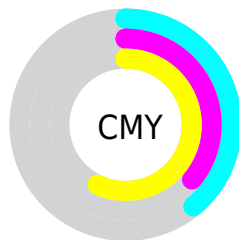
- Red (61%)
- Green (64%)
- Blue (43%)



- Red (43%)
- Yellow (64%)
- Blue (45%)



- Cyan (4%)
- Magenta (0%)
- Yellow (33%)
- Black (36%)




- Cyan (39%)
- Magenta (36%)
- Yellow (57%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0127, 0.3546, 0.4103 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 34.0127, 0.3546, 0.4103 by changing the saturation by 10% instead.





 34.0127, 0.3546,  
0.4103


 34.0127, 0.3546,  
0.4103


 320.1887, 0.3334,  
0.3668

 22.9034, 0.3598,  
0.4220


 65.9534, 0.3469,  
0.3939


 14.5222, 0.3662,  
0.4375


 87.5536, 0.3440,  
0.3879


 8.4847, 0.3743,  
0.4587


 113.4195, 0.3416,  
0.3829

 4.4066, 0.3842,  
0.4893

 143.9355, 0.3395,  
0.3787

 1.9035, 0.4241,  
0.5759

 179.4860, 0.3377,  
0.3751

 0.5505, 0.3186,  
0.6814

 220.4555, 0.3361,

 0.0000, 0.0000,

0.3719

0.0000

267.2282, 0.3347,  
0.3692

■ 34.0127, 0.3546,  
0.4103

■ 34.0127, 0.3546,  
0.4103

■ 33.5160, 0.3666,  
0.4349

■ 34.5795, 0.3419,  
0.3850

■ 33.0812, 0.3774,  
0.4579

■ 35.2152, 0.3289,  
0.3598

■ 32.7060, 0.3864,  
0.4783


■ 35.9242, 0.3161,  
0.3354


■ 32.3862, 0.3933,  
0.4951

■ 36.7094, 0.3037,  
0.3122

■ 32.1166, 0.3976,  
0.5079

■ 37.5737, 0.2920,  
0.2905


 31.8914, 0.3995,  
0.5164

 38.5194, 0.2810,  
0.2705

 31.7449, 0.3998,  
0.5207

 39.5492, 0.2709,  
0.2522

 40.6653, 0.2615,  
0.2355

 41.8700, 0.2530,  
0.2205

# Harmonies

## Analogous

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



34.0127, 0.3889, 0.3954



34.0127, 0.3546, 0.4103



34.0127, 0.3105, 0.4003

# Triad

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



34.0127, 0.3546, 0.4103



34.0127, 0.2301, 0.2834



34.0127, 0.3554, 0.2949

# Complementary

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



34.0127, 0.3546, 0.4103



17.1944, 0.2620, 0.2363

# 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.



34.0127, 0.3098, 0.2694



34.0127, 0.3546, 0.4103



34.0127, 0.2399, 0.2613

# Square

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



34.0127, 0.3546, 0.4103



34.0127, 0.2402, 0.3214



34.0127, 0.2680, 0.2571



34.0127, 0.3905, 0.3288



# Rectangle

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



34.0127, 0.3546, 0.4103



34.0127, 0.2817, 0.3795



34.0127, 0.2680, 0.2571



34.0127, 0.3406, 0.2852

# Sweetspot

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



34.0142, 0.3546, 0.4103



64.2450, 0.3257, 0.3536



20.8920, 0.3833, 0.3377



14.3917, 0.3274, 0.3569



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290



# Same Dimension

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



34.0142, 0.3546, 0.4103



61.1049, 0.3632, 0.4278



31.7063, 0.3283, 0.4177



8.1966, 0.3245, 0.3513



25.0225, 0.4000, 0.5206



0.5365, 0.4075, 0.5146



# Inverse Universe

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



17.1944, 0.2620, 0.2363



25.9027, 0.2488, 0.2130



19.1958, 0.2911, 0.2436



6.8964, 0.3003, 0.3059



2.1687, 0.1549, 0.0627



0.0562, 0.1754, 0.0740



# Previews

## White Background



This preview shows how the Yxy color 34.0127, 0.3546, 0.4103 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

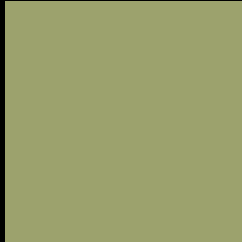
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.0127, 0.3546, 0.4103 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

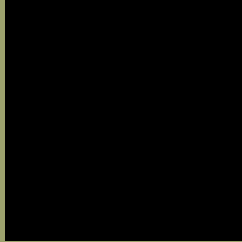
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.0127, 0.3546, 0.4103**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.0127, 0.3546, 0.4103.



This preview shows how white text looks on a background with the Yxy color 34.0127, 0.3546, 0.4103.

# 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

34.0127, 0.3546, 0.4103

### Protanopia

33.8334, 0.3745, 0.4022

### Deuteranopia

33.8457, 0.3911, 0.3845



## Tritanopia

34.0192, 0.3096, 0.3116

# Trichromacy



## Original Color

34.0127, 0.3546, 0.4103

## Protanomaly

33.9860, 0.3673, 0.4049

## Deuteranomaly

33.7986, 0.3781, 0.3939

## Tritanomaly

34.0026, 0.3257, 0.3470

# Monochromacy



## Original Color

34.0127, 0.3546, 0.4103

## Achromatopsia

32.3143, 0.3127, 0.3290

## Achromatomaly

32.9175, 0.3282, 0.3582

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  34.0127, 0.3546, 0.4103 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(156, 162, 109)` looks like.

```
.text, #text, p{  
    color:rgb(156, 162, 109)  
}
```

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(156, 162, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 162, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 34.0127, 0.3546, 0.4103 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(156, 162, 109) }
```

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

```
.border{ border-color:rgb(156, 162, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 162, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 162, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 162, 109);  
box-shadow:4px 4px 4px 4px rgb(156, 162,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.0127, 0.3546, 0.4103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 162, 109) }
```

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

```
.background{ background-color: rgb(156,  
162, 109) }
```

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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