

# Converting Colors

Yxy(34.9898, 0.3838, 0.4176)

Have a look what the booklet for  
Yxy(34.9898, 0.3838, 0.4176)  
contains.

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# Color

**Yxy(35.0221, 0.3843, 0.4176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEA062
RGB	174, 160, 98
RGB Percent	68%, 63%, 38%
CMY	0.3177, 0.3725, 0.6157
CMYK	0.00, 0.08, 0.44, 0.32
HSL	49°, 32%, 53%
HSV	49°, 44%, 68%
XYZ	32.2294, 35.0221, 16.6137
YIQ	157.1180, 28.2460, -16.3140

# Conversions

## Conversions Part 2

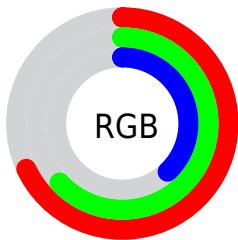
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 174, 98
Decimal	11444322
CIELab	65.77, -3.77, 34.10
CIELCh	66, 34.312, 96.316
Yxy	35.0221, 0.3843, 0.4176
Android (android.graphics.Color)	4289634402 (0xFFAEA062)
YUV	157.1180, -29.1452, 14.8055
Hunter-Lab	59.1795, -6.3522, 24.7809

# Details

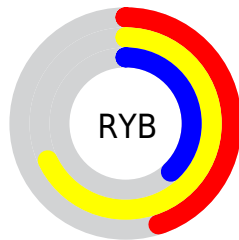
The Yxy color **35.0221, 0.3843, 0.4176** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.2349, 0.2365, 0.2207**, and the grayscale version is **33.8970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7918, 0.3710, 0.4007**, and **15.1606, 0.4036, 0.4437** is the 20% darker color. If you saturate the color by 10%, you get **33.6341, 0.4012, 0.4360**, and if you desaturate by 10%, it is **36.5134, 0.3671, 0.3976**.

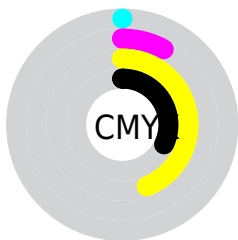
# Distribution



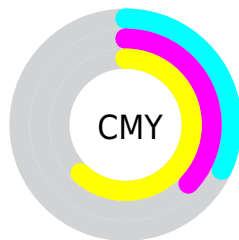
- Red (68%)
- Green (63%)
- Blue (38%)



- Red (45%)
- Yellow (68%)
- Blue (38%)



- Cyan (0%)
- Magenta (8%)
- Yellow (44%)
- Black (32%)




- Cyan (32%)
- Magenta (37%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.0221, 0.3843, 0.4176 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 35.0221, 0.3843, 0.4176 by changing the saturation by 10% instead.





 35.0221, 0.3843,  
0.4176


 35.0221, 0.3843,  
0.4176


324.6659, 0.3479,  
0.3717

 23.6799, 0.3932,  
0.4292


 67.5200, 0.3711,  
0.4007

 15.0963, 0.4042,  
0.4439


 89.4445, 0.3661,  
0.3944

 8.8870, 0.4181,  
0.4630


 115.6652, 0.3619,  
0.3891

 4.6676, 0.4358,  
0.4886

 146.5665, 0.3583,  
0.3846

 2.0536, 0.4664,  
0.5336

182.5329, 0.3552,  
0.3807

 0.6383, 0.4463,  
0.5537

223.9486, 0.3525,

 0.0000, 0.0000,

0.3773

0.0000

271.1981, 0.3500,  
0.3743

■ 35.0221, 0.3843,  
0.4176

■ 35.0221, 0.3843,  
0.4176

■ 33.6341, 0.4012,  
0.4360

■ 36.5134, 0.3671,  
0.3976

■ 32.3396, 0.4169,  
0.4518

■ 38.1076, 0.3500,  
0.3769

■ 31.1348, 0.4309,  
0.4640

■ 39.8104, 0.3336,  
0.3563

■ 30.0135, 0.4425,  
0.4721

■ 41.6256, 0.3181,  
0.3362

■ 28.9682, 0.4512,  
0.4756

■ 43.5571, 0.3038,  
0.3170

■ 28.3367, 0.4559,  
0.4762

■ 45.6080, 0.2906,  
0.2990

■ 47.7818, 0.2786,  
0.2823

■ 50.0815, 0.2678,  
0.2669

■ 52.5102, 0.2581,  
0.2528

# Harmonies

## Analogous

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



35.0221, 0.4138, 0.3880



35.0221, 0.3843, 0.4176



35.0221, 0.3369, 0.4235

# Triad

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



35.0221, 0.3843, 0.4176



35.0221, 0.2204, 0.2963



35.0221, 0.3348, 0.2726

# Complementary

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



35.0221, 0.3843, 0.4176



17.2349, 0.2365, 0.2207

# 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.



35.0221, 0.2820, 0.2508



35.0221, 0.3843, 0.4176



35.0221, 0.2199, 0.2608

# Square

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



35.0221, 0.3843, 0.4176



35.0221, 0.2433, 0.3473



35.0221, 0.2413, 0.2459



35.0221, 0.3849, 0.3070



# Rectangle

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



35.0221, 0.3843, 0.4176



35.0221, 0.3020, 0.4094



35.0221, 0.2413, 0.2459



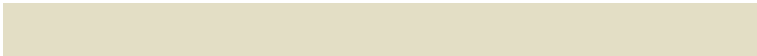
35.0221, 0.3166, 0.2637

# Sweetspot

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



35.0237, 0.3843, 0.4176



72.3629, 0.3329, 0.3554



18.9280, 0.4017, 0.3065



15.9298, 0.3364, 0.3598



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



35.0237, 0.3843, 0.4176



61.2001, 0.3999, 0.4347



37.7488, 0.3540, 0.4434



9.0758, 0.3267, 0.3474



20.6345, 0.4554, 0.4766



0.6381, 0.4427, 0.4867



# Inverse Universe

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



17.2349, 0.2365, 0.2207



24.9298, 0.2186, 0.1931



15.8391, 0.2555, 0.2037



7.9868, 0.2986, 0.3099



3.0322, 0.1553, 0.0792



0.1533, 0.1694, 0.1299



# Previews

## White Background



This preview shows how the Yxy color 35.0221, 0.3843, 0.4176 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

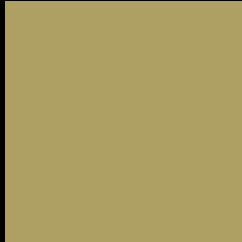
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.0221, 0.3843, 0.4176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

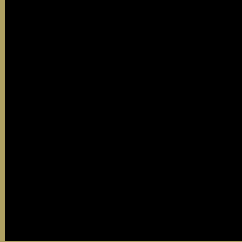
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.0221, 0.3843, 0.4176**

## Background



This preview shows how black text looks on a background with the Yxy color 35.0221, 0.3843, 0.4176.



This preview shows how white text looks on a background with the Yxy color 35.0221, 0.3843, 0.4176.

# 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

35.0221, 0.3843, 0.4176

### Protanopia

35.1374, 0.3854, 0.4172

### Deuteranopia

35.0400, 0.4071, 0.3997



## Tritanopia

34.9606, 0.3306, 0.3125

# Trichromacy



## Original Color

35.0221, 0.3843, 0.4176

## Protanomaly

35.1374, 0.3854, 0.4172

## Deuteranomaly

35.1169, 0.3986, 0.4070

## Tritanomaly

34.8011, 0.3506, 0.3504

# Monochromacy



## Original Color

35.0221, 0.3843, 0.4176

## Achromatopsia

33.7164, 0.3127, 0.3290

## Achromatomaly

34.0178, 0.3381, 0.3620

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.0221, 0.3843, 0.4176 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(174, 160, 98)` looks like.

```
.text, #text, p{  
    color:rgb(174, 160, 98)  
}
```

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(174, 160, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 160, 98) }
```

## Border

The CSS property to change the border of an element to Yxy 35.0221, 0.3843, 0.4176 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(174, 160, 98) }
```

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

```
.border{ border-color:rgb(174, 160, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 160, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 160, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 160, 98);  
box-shadow:4px 4px 4px 4px rgb(174, 160,  
98) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.0221, 0.3843, 0.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 160, 98) }
```

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

```
.background{ background-color: rgb(174,  
160, 98) }
```

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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