

# Converting Colors

$Y_{xy}(37.1268, 0.3855, 0.4557)$

Have a look what the booklet for  
Yxy(37.1268, 0.3855, 0.4557)  
contains.

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# Color

**Yxy(37.0474, 0.3854, 0.4559)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6A94F
RGB	166, 169, 79
RGB Percent	65%, 66%, 31%
CMY	0.3492, 0.3372, 0.6902
CMYK	0.02, 0.00, 0.53, 0.34
HSL	62°, 36%, 49%
HSV	62°, 53%, 66%
XYZ	31.3184, 37.0474, 12.8963
YIQ	157.8430, 27.1020, -28.6260

# Conversions

## Conversions Part 2

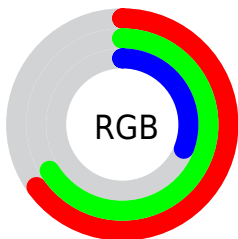
<b>Format</b>	<b>Color</b>
<b>RYB</b>	79, 169, 82
Decimal	10922319
CIELab	67.31, -13.76, 45.42
CIELCh	67, 47.461, 106.851
Yxy	37.0474, 0.3854, 0.4559
Android (android.graphics.Color)	4289112399 (0xFFA6A94F)
YUV	157.8430, -38.8696, 7.1537
Hunter-Lab	60.8666, -14.6707, 30.0443

# Details

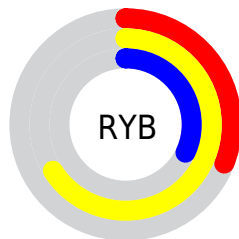
The Yxy color **37.0474, 0.3854, 0.4559** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.2531, 0.2151, 0.1640**, and the grayscale version is **34.2855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6380, 0.3737, 0.4315**, and **16.2512, 0.4011, 0.4918** is the 20% darker color. If you saturate the color by 10%, you get **36.7716, 0.3957, 0.4746**, and if you desaturate by 10%, it is **37.3895, 0.3733, 0.4343**.

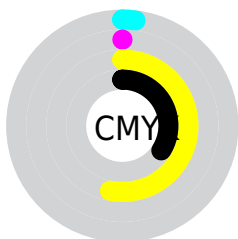
# Distribution



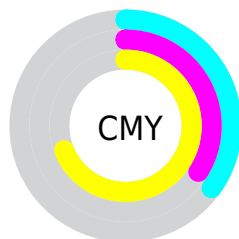
- Red (65%)
- Green (66%)
- Blue (31%)



- Red (31%)
- Yellow (66%)
- Blue (32%)



- Cyan (2%)
- Magenta (0%)
- Yellow (53%)
- Black (34%)



- Cyan (35%)
- Magenta (34%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0474, 0.3854, 0.4559 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 37.0474, 0.3854, 0.4559 by changing the saturation by 10% instead.




 37.0474, 0.3854,  
0.4559


 37.0474, 0.3854,  
0.4559

333.5157, 0.3507,  
0.3902


 25.2442, 0.3927,  
0.4722


 70.6457, 0.3736,  
0.4319


 16.2591, 0.4008,  
0.4925


 93.2095, 0.3689,  
0.4229

 9.7077, 0.4091,  
0.5179


 120.1291, 0.3649,  
0.4153

 5.2056, 0.4249,  
0.5625

 151.7887, 0.3613,  
0.4088

 2.3684, 0.4127,  
0.5873

 188.5728, 0.3582,  
0.4032

 0.8095, 0.3488,  
0.6512

230.8657, 0.3554,

 0.0000, 0.0000,

0.3983

0.0000

279.0519, 0.3529,  
0.3940

■ 37.0474, 0.3854,  
0.4559

■ 37.0474, 0.3854,  
0.4559

■ 36.7716, 0.3957,  
0.4746

■ 37.3895, 0.3733,  
0.4343

■ 36.5520, 0.4037,  
0.4895

■ 37.7971, 0.3599,  
0.4107

■ 36.3850, 0.4093,  
0.5004

■ 38.2758, 0.3457,  
0.3860

■ 36.2637, 0.4123,  
0.5070

■ 38.8292, 0.3314,  
0.3611

■ 36.1976, 0.4135,  
0.5099

■ 39.4609, 0.3172,  
0.3368

■ 40.1739, 0.3036,  
0.3134

■ 40.9712, 0.2907,  
0.2914

■ 41.8558, 0.2787,  
0.2709

■ 42.8303, 0.2676,  
0.2522

# Harmonies

## Analogous

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



37.0474, 0.4367, 0.4204



37.0474, 0.3854, 0.4559



37.0474, 0.3178, 0.4533

# Triad

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



37.0474, 0.3854, 0.4559



37.0474, 0.1884, 0.2634



37.0474, 0.3674, 0.2688

# Complementary

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



37.0474, 0.3854, 0.4559



10.2531, 0.2151, 0.1640

# 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.



37.0474, 0.2941, 0.2348



37.0474, 0.3854, 0.4559



37.0474, 0.1979, 0.2282

# Square

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



37.0474, 0.3854, 0.4559



37.0474, 0.2066, 0.3261



37.0474, 0.2340, 0.2199



37.0474, 0.4295, 0.3161



# Rectangle

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



37.0474, 0.3854, 0.4559



37.0474, 0.2728, 0.4234



37.0474, 0.2340, 0.2199



37.0474, 0.3428, 0.2557

# Sweetspot

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



37.0491, 0.3854, 0.4559



69.2113, 0.3357, 0.3687



15.0356, 0.4618, 0.3339



15.0422, 0.3385, 0.3735



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290



# Same Dimension

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



37.0491, 0.3854, 0.4559



65.7596, 0.3974, 0.4777



33.0121, 0.3403, 0.4782



8.7606, 0.3257, 0.3514



26.9768, 0.4135, 0.5099



0.6602, 0.4156, 0.5082



# Inverse Universe

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



10.2531, 0.2151, 0.1640



12.5866, 0.1916, 0.1253



12.9694, 0.2645, 0.1833



7.3122, 0.2991, 0.3057



2.1674, 0.1514, 0.0608



0.0564, 0.1576, 0.0642



# Previews

## White Background



This preview shows how the Yxy color 37.0474, 0.3854, 0.4559 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 37.0474, 0.3854, 0.4559 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

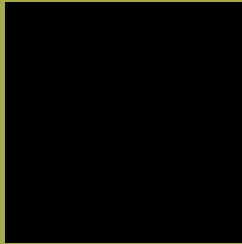
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.0474, 0.3854, 0.4559**

## Background



This preview shows how black text looks on a background with the Yxy color 37.0474, 0.3854, 0.4559.



This preview shows how white text looks on a background with the Yxy color 37.0474, 0.3854, 0.4559.

# 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

37.0474, 0.3854, 0.4559

### Protanopia

36.9105, 0.4059, 0.4450

### Deuteranopia

36.8036, 0.4290, 0.4210



## Tritanopia

37.0049, 0.3174, 0.3111

# Trichromacy



## Original Color

37.0474, 0.3854, 0.4559

## Protanomaly

37.0526, 0.3985, 0.4486

## Deuteranomaly

36.7752, 0.4124, 0.4338

## Tritanomaly

36.8000, 0.3442, 0.3650

# Monochromacy



## Original Color

37.0474, 0.3854, 0.4559

## Achromatopsia

34.1914, 0.3127, 0.3290

## Achromatomaly

35.0027, 0.3416, 0.3786

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  37.0474, 0.3854, 0.4559 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(166, 169, 79)` looks like.

```
.text, #text, p{  
    color:rgb(166, 169, 79)  
}
```

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(166, 169, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 169, 79) }
```

## Border

The CSS property to change the border of an element to Yxy 37.0474, 0.3854, 0.4559 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(166, 169, 79) }
```

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

```
.border{ border-color:rgb(166, 169, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 169, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 169, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 169, 79);  
box-shadow:4px 4px 4px 4px rgb(166, 169,  
79) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.0474, 0.3854, 0.4559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 169, 79) }
```

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

```
.background{ background-color: rgb(166,  
169, 79) }
```

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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