

# Converting Colors

$Yxy(37.1229, 0.3299, 0.3489)$

Have a look what the booklet for  
Yxy(37.1229, 0.3299, 0.3489)  
contains.

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# Color

**Yxy(37.1879, 0.3299, 0.3491)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9A496
RGB	169, 164, 150
RGB Percent	66%, 64%, 59%
CMY	0.3373, 0.3568, 0.4116
CMYK	0.00, 0.03, 0.11, 0.34
HSL	44°, 10%, 63%
HSV	44°, 11%, 66%
XYZ	35.1426, 37.1879, 34.1945
YIQ	163.8990, 7.4740, -3.2940

# Conversions

## Conversions Part 2

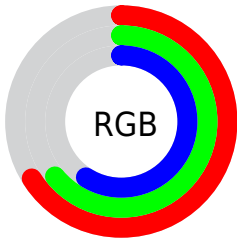
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 169, 150
Decimal	11117718
CIELab	67.42, -0.69, 7.88
CIELCh	67, 7.909, 95.011
Yxy	37.1879, 0.3299, 0.3491
Android (android.graphics.Color)	4289307798 (0xFFA9A496)
YUV	163.8990, -6.8522, 4.4736
Hunter-Lab	60.9819, -3.8524, 9.4415

# Details

The Yxy color **37.1879, 0.3299, 0.3491** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.7999, 0.2956, 0.3081**, and the grayscale version is **37.1053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8700, 0.3265, 0.3455**, and **16.2711, 0.3360, 0.3554** is the 20% darker color. If you saturate the color by 10%, you get **35.1213, 0.3466, 0.3678**, and if you desaturate by 10%, it is **39.3918, 0.3145, 0.3311**.

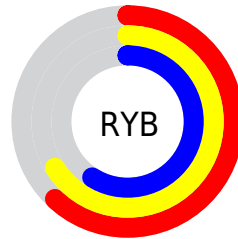
# Distribution



Red (66%)

Green (64%)

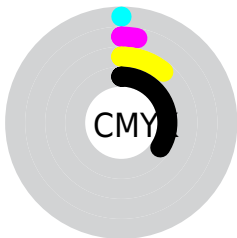
Blue (59%)



Red (62%)

Yellow (66%)

Blue (59%)

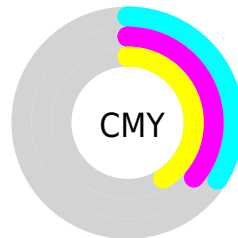


Cyan (0%)

Magenta (3%)

Yellow (11%)

Black (34%)



Cyan (34%)

Magenta (36%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1879, 0.3299, 0.3491 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 37.1879, 0.3299, 0.3491 by changing the saturation by 10% instead.




 37.1879, 0.3299,  
0.3491


 37.1879, 0.3299,  
0.3491


334.1233, 0.3210,  
0.3387

 25.3530, 0.3322,  
0.3518


 70.8617, 0.3266,  
0.3452

 16.3403, 0.3353,  
0.3555


 93.4694, 0.3254,  
0.3438

 9.7652, 0.3395,  
0.3604


120.4368, 0.3243,  
0.3426

 5.2436, 0.3456,  
0.3677

152.1483, 0.3235,  
0.3416

 2.3909, 0.3552,  
0.3792

188.9883, 0.3227,  
0.3407

 0.8212, 0.3961,  
0.4259

231.3412, 0.3221,

 0.0000, 0.0000,

0.3399

0.0000

279.5914, 0.3215,  
0.3392

■ 37.1879, 0.3299,  
0.3491

■ 37.1879, 0.3299,  
0.3491

■ 35.1213, 0.3466,  
0.3678

■ 39.3918, 0.3145,  
0.3311

■ 33.1833, 0.3644,  
0.3867

■ 41.7318, 0.3004,  
0.3141

■ 31.3712, 0.3830,  
0.4053

■ 44.2131, 0.2877,  
0.2982

■ 29.6807, 0.4019,  
0.4228

■ 46.8390, 0.2763,  
0.2835

■ 28.1069, 0.4203,  
0.4380

■ 49.6127, 0.2661,  
0.2700

■ 26.6445, 0.4376,  
0.4501

■ 52.5374, 0.2569,  
0.2576

■ 25.2876, 0.4528,  
0.4582

■ 54.7277, 0.2557,  
0.2594

■ 24.0290, 0.4653,  
0.4615

■ 56.7493, 0.2564,  
0.2647

■ 22.9917, 0.4745,  
0.4615

■ 58.8306, 0.2571,  
0.2701

# Harmonies

## Analogous

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



37.1879, 0.3357, 0.3435



37.1879, 0.3299, 0.3491



37.1879, 0.3196, 0.3493

# Triad

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



37.1879, 0.3299, 0.3491



37.1879, 0.2908, 0.3231



37.1879, 0.3176, 0.3150

# Complementary

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



37.1879, 0.3299, 0.3491



32.7999, 0.2956, 0.3081

# 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.



37.1879, 0.3056, 0.3096



37.1879, 0.3299, 0.3491



37.1879, 0.2903, 0.3141

# Square

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



37.1879, 0.3299, 0.3491



37.1879, 0.2970, 0.3340



37.1879, 0.2956, 0.3092



37.1879, 0.3285, 0.3239



# Rectangle

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



37.1879, 0.3299, 0.3491



37.1879, 0.3115, 0.3461



37.1879, 0.2956, 0.3092



37.1879, 0.3136, 0.3127

# Sweetspot

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



37.1895, 0.3299, 0.3491



69.8170, 0.3172, 0.3344



32.6272, 0.3273, 0.3217



15.1482, 0.3184, 0.3358



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.



37.1895, 0.3299, 0.3491



65.8493, 0.3332, 0.3528



38.5268, 0.3249, 0.3564



8.4351, 0.3268, 0.3456



17.2291, 0.4738, 0.4620



0.4957, 0.4523, 0.4790



# Inverse Universe

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



32.7999, 0.2956, 0.3081



56.6980, 0.2923, 0.3040



31.6032, 0.2997, 0.3008



7.6093, 0.2986, 0.3119



3.5778, 0.1595, 0.0942



0.1683, 0.1775, 0.1589



# Previews

## White Background



This preview shows how the Yxy color 37.1879, 0.3299, 0.3491 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

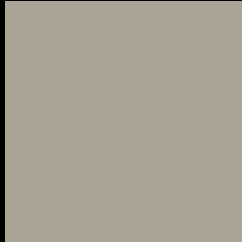
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.1879, 0.3299, 0.3491 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

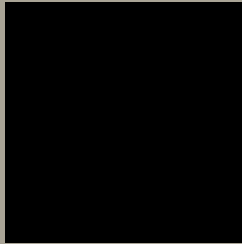
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

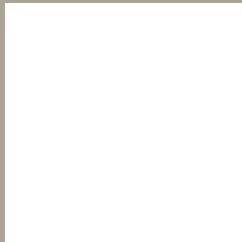
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 37.1879, 0.3299, 0.3491**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.1879, 0.3299, 0.3491.



This preview shows how white text looks on a background with the Yxy color 37.1879, 0.3299, 0.3491.

# 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

37.1879, 0.3299, 0.3491

### Protanopia

37.2990, 0.3309, 0.3491

### Deuteranopia

37.0024, 0.3462, 0.3387



## Tritanopia

37.2775, 0.3126, 0.3124

# Trichromacy



## Original Color

37.1879, 0.3299, 0.3491

## Protanomaly

37.2990, 0.3309, 0.3491

## Deuteranomaly

36.9597, 0.3397, 0.3416

## Tritanomaly

37.2152, 0.3186, 0.3248

# Monochromacy



## Original Color

37.1879, 0.3299, 0.3491

## Achromatopsia

37.1238, 0.3127, 0.3290

## Achromatomaly

37.1611, 0.3190, 0.3362

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.1879, 0.3299, 0.3491 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(169, 164, 150)` looks like.

```
.text, #text, p{  
    color:rgb(169, 164, 150)  
}
```

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(169, 164, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 164, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 37.1879, 0.3299, 0.3491 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(169, 164, 150) }
```

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

```
.border{ border-color:rgb(169, 164, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 164, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 164, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 164, 150);  
box-shadow:4px 4px 4px 4px rgb(169, 164,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.1879, 0.3299, 0.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 164, 150) }
```

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

```
.background{ background-color: rgb(169,  
164, 150) }
```

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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