

# Converting Colors

$Yxy(31.2767, 0.3408, 0.3502)$

Have a look what the booklet for  
Yxy(31.2767, 0.3408, 0.3502)  
contains.

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# Color

**Yxy(31.3768, 0.3400, 0.3503)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A39688
RGB	163, 150, 136
RGB Percent	64%, 59%, 53%
CMY	0.3608, 0.4117, 0.4667
CMYK	0.00, 0.08, 0.17, 0.36
HSL	31°, 13%, 59%
HSV	31°, 17%, 64%
XYZ	30.4542, 31.3768, 27.7402
YIQ	152.2910, 12.2420, -1.5980

# Conversions

## Conversions Part 2

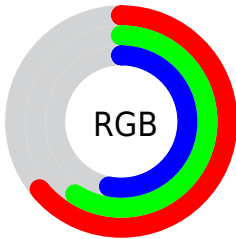
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 163, 136
Decimal	10720904
CIELab	62.82, 2.38, 9.12
CIELCh	63, 9.422, 75.359
Yxy	31.3768, 0.3400, 0.3503
Android (android.graphics.Color)	4288910984 (0xFFA39688)
YUV	152.2910, -8.0315, 9.3918
Hunter-Lab	56.0150, -0.9794, 9.8484

# Details

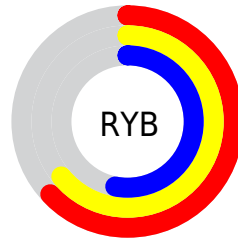
The Yxy color **31.3768, 0.3400, 0.3503** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.3694, 0.2873, 0.3067**, and the grayscale version is **31.5636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7653, 0.3346, 0.3463**, and **12.9751, 0.3497, 0.3573** is the 20% darker color. If you saturate the color by 10%, you get **28.5292, 0.3594, 0.3639**, and if you desaturate by 10%, it is **34.4653, 0.3228, 0.3372**.

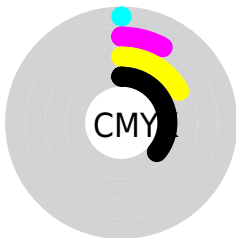
# Distribution



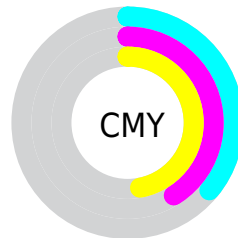
- Red (64%)
- Green (59%)
- Blue (53%)



- Red (63%)
- Yellow (64%)
- Blue (53%)



- Cyan (0%)
- Magenta (8%)
- Yellow (17%)
- Black (36%)



- Cyan (36%)
- Magenta (41%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.3768, 0.3400, 0.3503 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 31.3768, 0.3400, 0.3503 by changing the saturation by 10% instead.





 31.3768, 0.3400,  
0.3503

 31.3768, 0.3400,  
0.3503


308.2705, 0.3254,  
0.3390


 20.8859, 0.3440,  
0.3533


 61.8328, 0.3345,  
0.3460

 13.0407, 0.3493,  
0.3574


 82.5668, 0.3325,  
0.3445

 7.4565, 0.3568,  
0.3630


 107.4839, 0.3308,  
0.3432

 3.7492, 0.3682,  
0.3713

136.9685, 0.3294,  
0.3421

 1.5343, 0.3872,  
0.3849

171.4051, 0.3282,  
0.3412

 0.3127, 0.5319,  
0.4681

211.1780, 0.3271,

 0.0000, 0.0000,

0.3404

0.0000

256.6717, 0.3262,  
0.3397

■ 31.3768, 0.3400,  
0.3503

■ 31.3768, 0.3400,  
0.3503

■ 28.5292, 0.3594,  
0.3639

■ 34.4653, 0.3228,  
0.3372

■ 25.9119, 0.3810,  
0.3777

■ 37.7966, 0.3078,  
0.3249

■ 23.5194, 0.4047,  
0.3909

■ 41.3780, 0.2946,  
0.3133

■ 21.3446, 0.4301,  
0.4029

■ 45.2151, 0.2830,  
0.3027

■ 19.3799, 0.4564,  
0.4125

■ 49.3134, 0.2729,  
0.2930

■ 17.6169, 0.4822,  
0.4185

■ 53.6782, 0.2641,  
0.2840

■ 16.0464, 0.5062,  
0.4198

■ 58.3146, 0.2563,  
0.2758

■ 14.6567, 0.5269,  
0.4160

■ 62.4717, 0.2551,  
0.2801

■ 14.2154, 0.5339,  
0.4143

■ 66.5076, 0.2564,  
0.2895

# Harmonies

## Analogous

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



31.3768, 0.3423, 0.3398



31.3768, 0.3400, 0.3503



31.3768, 0.3303, 0.3553

# Triad

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



31.3768, 0.3400, 0.3503



31.3768, 0.2896, 0.3305



31.3768, 0.3088, 0.3064

# Complementary

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



31.3768, 0.3400, 0.3503



29.3694, 0.2873, 0.3067

# 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.



31.3768, 0.2950, 0.3036



31.3768, 0.3400, 0.3503



31.3768, 0.2841, 0.3171

# Square

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



31.3768, 0.3400, 0.3503



31.3768, 0.3012, 0.3438



31.3768, 0.2860, 0.3074



31.3768, 0.3240, 0.3148



# Rectangle

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



31.3768, 0.3400, 0.3503



31.3768, 0.3211, 0.3546



31.3768, 0.2860, 0.3074



31.3768, 0.3038, 0.3048

# Sweetspot

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



31.3782, 0.3400, 0.3503



62.5769, 0.3205, 0.3353



27.5641, 0.3291, 0.3093



13.9674, 0.3216, 0.3362



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.



31.3782, 0.3400, 0.3503



54.2058, 0.3471, 0.3554



35.7117, 0.3365, 0.3692



7.6653, 0.3273, 0.3407



11.1391, 0.5326, 0.4153



0.3282, 0.4819, 0.4556



# Inverse Universe

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



29.3694, 0.2873, 0.3067



49.8988, 0.2813, 0.3011



25.5217, 0.2868, 0.2855



7.3960, 0.2987, 0.3170



6.4283, 0.1763, 0.1548



0.2296, 0.1953, 0.2229



# Previews

## White Background



This preview shows how the Yxy color 31.3768, 0.3400, 0.3503 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 31.3768, 0.3400, 0.3503 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

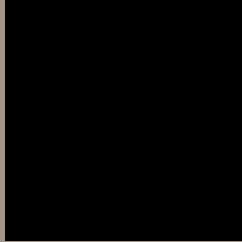
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

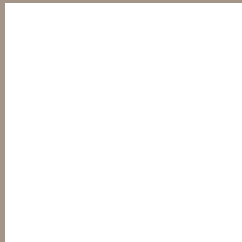
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 31.3768, 0.3400, 0.3503**

## **Background**



This preview shows how black text looks on a background with the Yxy color 31.3768, 0.3400, 0.3503.



This preview shows how white text looks on a background with the Yxy color 31.3768, 0.3400, 0.3503.

# 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

31.3768, 0.3400, 0.3503

### Protanopia

31.5317, 0.3332, 0.3521

### Deuteranopia

31.4442, 0.3495, 0.3438



## Tritanopia

31.4431, 0.3217, 0.3129

# Trichromacy



## Original Color

31.3768, 0.3400, 0.3503

## Protanomaly

31.4129, 0.3356, 0.3504

## Deuteranomaly

31.4210, 0.3459, 0.3454

## Tritanomaly

31.3812, 0.3285, 0.3261

# Monochromacy



## Original Color

31.3768, 0.3400, 0.3503

## Achromatopsia

31.3989, 0.3127, 0.3290

## Achromatomaly

31.2765, 0.3226, 0.3367

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.3768, 0.3400, 0.3503 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(163, 150, 136)` looks like.

```
.text, #text, p{  
    color:rgb(163, 150, 136)  
}
```

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(163, 150, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 150, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 31.3768, 0.3400, 0.3503 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(163, 150, 136) }
```

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

```
.border{ border-color:rgb(163, 150, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 150, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 150, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 150, 136);  
box-shadow:4px 4px 4px 4px rgb(163, 150,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.3768, 0.3400, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 150, 136) }
```

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

```
.background{ background-color: rgb(163,  
150, 136) }
```

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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