

# Converting Colors

$Yxy(37.1553, 0.3387, 0.3388)$

Have a look what the booklet for  
Yxy(37.1553, 0.3387, 0.3388)  
contains.

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# Color

**Yxy(37.1448, 0.3388, 0.3388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4A099
RGB	180, 160, 153
RGB Percent	71%, 63%, 60%
CMY	0.2941, 0.3725, 0.4000
CMYK	0.00, 0.11, 0.15, 0.29
HSL	16°, 15%, 65%
HSV	16°, 15%, 71%
XYZ	37.1448, 37.1448, 35.3468
YIQ	165.1820, 14.1670, 2.0630

# Conversions

## Conversions Part 2

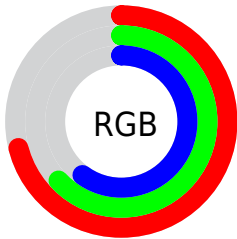
Format	Color
<a href="#">RYB</a>	<a href="#">180, 162, 153</a>
Decimal	<a href="#">11837593</a>
CIELab	<a href="#">67.39, 6.14, 6.31</a>
CIELCh	<a href="#">67, 8.805, 45.808</a>
Yxy	<a href="#">37.1448, 0.3388, 0.3388</a>
Android (android.graphics.Color)	<a href="#">4290027673</a> ( <a href="#">0xFFB4A099</a> )
YUV	<a href="#">165.1820, -6.0057, 12.9954</a>
Hunter-Lab	<a href="#">60.9465, 2.1331, 8.2765</a>

# Details

The Yxy color **37.1448, 0.3388, 0.3388** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.9583, 0.2900, 0.3190**, and the grayscale version is **37.7443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9387, 0.3339, 0.3376**, and **16.4086, 0.3470, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **32.2178, 0.3604, 0.3458**, and if you desaturate by 10%, it is **42.6608, 0.3207, 0.3322**.

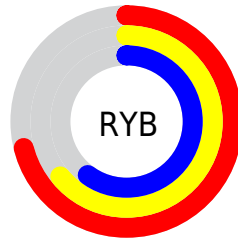
# Distribution



Red (71%)

Green (63%)

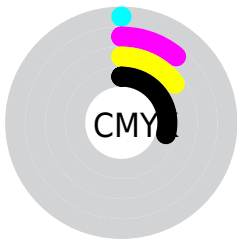
Blue (60%)



Red (71%)

Yellow (64%)

Blue (60%)

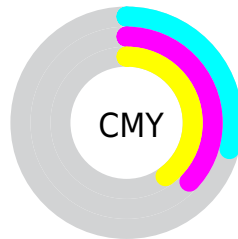


Cyan (0%)

Magenta (11%)

Yellow (15%)

Black (29%)



Cyan (29%)

Magenta (37%)

Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1448, 0.3388, 0.3388 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 37.1448, 0.3388, 0.3388 by changing the saturation by 10% instead.




 37.1448, 0.3388,  
0.3388


 37.1448, 0.3388,  
0.3388


333.9370, 0.3252,  
0.3338

 25.3196, 0.3424,  
0.3401


 70.7954, 0.3337,  
0.3370

 16.3153, 0.3471,  
0.3417


 93.3897, 0.3318,  
0.3363

 9.7476, 0.3537,  
0.3438


120.3424, 0.3303,  
0.3357

 5.2319, 0.3632,  
0.3469

152.0380, 0.3290,  
0.3353

 2.3840, 0.3786,  
0.3514

188.8609, 0.3278,  
0.3348

 0.8176, 0.4234,  
0.3723

231.1954, 0.3268,

 0.0000, 0.0000,


0.3345


0.0000


279.4260, 0.3260,  
0.3341

 37.1448, 0.3388,  
0.3388

 37.1448, 0.3388,  
0.3388


 32.2178, 0.3604,  
0.3458

 42.6608, 0.3207,  
0.3322


 27.8551, 0.3861,  
0.3529


 48.7794, 0.3055,  
0.3260


 24.0379, 0.4160,  
0.3598

 55.5201, 0.2927,  
0.3203

 20.7441, 0.4502,  
0.3657

 62.9000, 0.2820,  
0.3151

 17.9502, 0.4876,  
0.3698

 70.9353, 0.2730,  
0.3104

■ 15.6307, 0.5262,  
0.3710

■ 79.2491, 0.2683,  
0.3125

■ 13.7579, 0.5625,  
0.3683

■ 87.3911, 0.2699,  
0.3271

■ 12.3005, 0.5924,  
0.3614

■ 88.4449, 0.2701,  
0.3289

■ 11.7116, 0.6054,  
0.3575

# Harmonies

## Analogous

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



37.1448, 0.3337, 0.3274



37.1448, 0.3388, 0.3388



37.1448, 0.3367, 0.3480

# Triad

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



37.1448, 0.3388, 0.3388



37.1448, 0.3024, 0.3419



37.1448, 0.2972, 0.3065

# Complementary

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



37.1448, 0.3388, 0.3388



39.9583, 0.2900, 0.3190

# 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.



37.1448, 0.2892, 0.3098



37.1448, 0.3388, 0.3388



37.1448, 0.2921, 0.3301

# Square

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



37.1448, 0.3388, 0.3388



37.1448, 0.3155, 0.3501



37.1448, 0.2873, 0.3183



37.1448, 0.3095, 0.3090



# Rectangle

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



37.1448, 0.3388, 0.3388



37.1448, 0.3316, 0.3515



37.1448, 0.2873, 0.3183



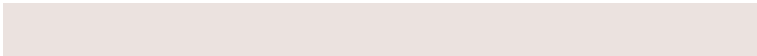
37.1448, 0.2939, 0.3070

# Sweetspot

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



37.1465, 0.3388, 0.3388



77.2592, 0.3208, 0.3322



35.5133, 0.3207, 0.3014



16.5417, 0.3219, 0.3327



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



37.1465, 0.3388, 0.3388



64.2795, 0.3455, 0.3411



41.9912, 0.3361, 0.3567



8.8516, 0.3281, 0.3350



8.2675, 0.6033, 0.3592



0.3566, 0.5482, 0.4030



# Inverse Universe

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



39.9583, 0.2900, 0.3190



70.3547, 0.2850, 0.3166



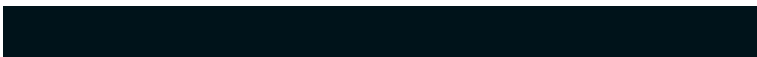
35.1229, 0.2893, 0.2997



9.2512, 0.2986, 0.3230



14.1848, 0.2011, 0.2440



0.5344, 0.2085, 0.2704



# Previews

## White Background



This preview shows how the Yxy color 37.1448, 0.3388, 0.3388 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

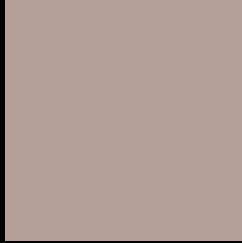
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.1448, 0.3388, 0.3388 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

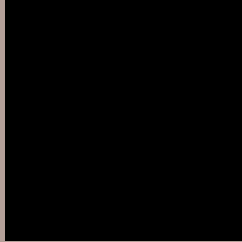
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.1448, 0.3388, 0.3388**

## Background



This preview shows how black text looks on a background with the Yxy color 37.1448, 0.3388, 0.3388.



This preview shows how white text looks on a background with the Yxy color 37.1448, 0.3388, 0.3388.

# 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

37.1448, 0.3388, 0.3388

### Protanopia

37.3525, 0.3254, 0.3419

### Deuteranopia

36.9440, 0.3432, 0.3360



## Tritanopia

36.9613, 0.3252, 0.3114

# Trichromacy



## Original Color

37.1448, 0.3388, 0.3388

## Protanomaly

37.4117, 0.3304, 0.3418

## Deuteranomaly

37.1635, 0.3420, 0.3373

## Tritanomaly

36.9578, 0.3297, 0.3208

# Monochromacy



## Original Color

37.1448, 0.3388, 0.3388

## Achromatopsia

37.6262, 0.3127, 0.3290

## Achromatomaly

37.3136, 0.3211, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.1448, 0.3388, 0.3388 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(180, 160, 153)` looks like.

```
.text, #text, p{  
    color:rgb(180, 160, 153)  
}
```

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(180, 160, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 160, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 37.1448, 0.3388, 0.3388 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(180, 160, 153) }
```

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

```
.border{ border-color:rgb(180, 160, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 160, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 160, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 160, 153);  
box-shadow:4px 4px 4px 4px rgb(180, 160,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.1448, 0.3388, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 160, 153) }
```

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

```
.background{ background-color: rgb(180,  
160, 153) }
```

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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