

# Converting Colors

$Yxy(37.2176, 0.3182, 0.3668)$

Have a look what the booklet for  
Yxy(37.2176, 0.3182, 0.3668)  
contains.

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# Color

**Yxy(37.0650, 0.3183, 0.3667)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98A990
RGB	152, 169, 144
RGB Percent	60%, 66%, 56%
CMY	0.4038, 0.3373, 0.4353
CMYK	0.10, 0.00, 0.15, 0.34
HSL	101°, 13%, 61%
HSV	101°, 15%, 66%
XYZ	32.1729, 37.0650, 31.8393
YIQ	161.0670, -2.1070, -11.3790

# Conversions

## Conversions Part 2

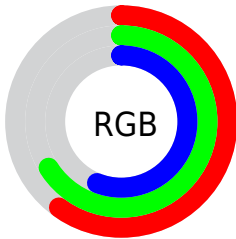
Format	Color
<a href="#">RYB</a>	<a href="#">144, 169, 161</a>
Decimal	<a href="#">10004880</a>
CIELab	<a href="#">67.33, -10.70, 10.92</a>
CIElCh	<a href="#">67, 15.287, 134.433</a>
Yxy	<a href="#">37.0650, 0.3183, 0.3667</a>
Android (android.graphics.Color)	<a href="#">4288194960 (0xFF98A990)</a>
YUV	<a href="#">161.0670, -8.4140, -7.9518</a>
Hunter-Lab	<a href="#">60.8810, -12.2126, 11.6095</a>

# Details

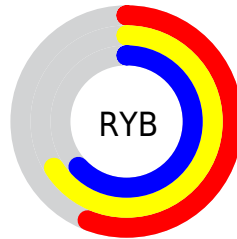
The Yxy color **37.0650, 0.3183, 0.3667** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.3818, 0.3062, 0.2923**, and the grayscale version is **35.7158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5103, 0.3170, 0.3587**, and **16.2974, 0.3193, 0.3785** is the 20% darker color. If you saturate the color by 10%, you get **35.5337, 0.3218, 0.3952**, and if you desaturate by 10%, it is **38.7840, 0.3146, 0.3406**.

# Distribution



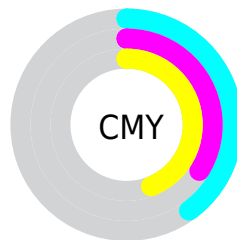
- Red (60%)
- Green (66%)
- Blue (56%)



- Red (56%)
- Yellow (66%)
- Blue (63%)



- Cyan (10%)
- Magenta (0%)
- Yellow (15%)
- Black (34%)




- Cyan (40%)
- Magenta (34%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0650, 0.3183, 0.3667 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 37.0650, 0.3183, 0.3667 by changing the saturation by 10% instead.





 37.0650, 0.3183,  
0.3667


 37.0650, 0.3183,  
0.3667


333.5918, 0.3156,  
0.3467

 25.2578, 0.3189,  
0.3721


 70.6727, 0.3173,  
0.3592

 16.2692, 0.3197,  
0.3792


 93.2421, 0.3170,  
0.3564

 9.7149, 0.3207,  
0.3893


120.1676, 0.3167,  
0.3541

 5.2103, 0.3218,  
0.4042

151.8337, 0.3164,  
0.3522

 2.3712, 0.3231,  
0.4288

188.6248, 0.3162,  
0.3505

 0.8110, 0.3538,  
0.5630

230.9253, 0.3160,

 0.0000, 0.0000,

0.3491

0.0000

279.1195, 0.3158,  
0.3478

■ 37.0650, 0.3183,  
0.3667

■ 37.0650, 0.3183,  
0.3667

■ 35.5337, 0.3218,  
0.3952

■ 38.7840, 0.3146,  
0.3406

■ 34.1787, 0.3248,  
0.4257

■ 40.6920, 0.3107,  
0.3171

■ 32.9950, 0.3271,  
0.4574


■ 42.7965, 0.3069,  
0.2961


■ 31.9751, 0.3283,  
0.4890


■ 45.1029, 0.3033,  
0.2775


■ 31.1111, 0.3281,  
0.5189


■ 47.6166, 0.2998,  
0.2611

 30.3945, 0.3265,  
0.5452


 50.3428, 0.2965,  
0.2467

 29.8156, 0.3233,  
0.5663

 52.8079, 0.2986,  
0.2403

 29.3631, 0.3188,  
0.5809

 54.7948, 0.3077,  
0.2427

 29.1676, 0.3164,  
0.5870

 56.8560, 0.3167,  
0.2450

# Harmonies

## Analogous

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



37.0650, 0.3402, 0.3695



37.0650, 0.3183, 0.3667



37.0650, 0.2955, 0.3526

# Triad

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



37.0650, 0.3183, 0.3667



37.0650, 0.2719, 0.2961



37.0650, 0.3486, 0.3250

# Complementary

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



37.0650, 0.3183, 0.3667



30.3818, 0.3062, 0.2923

# 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.



37.0650, 0.3292, 0.3070



37.0650, 0.3183, 0.3667



37.0650, 0.2850, 0.2905

# Square

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



37.0650, 0.3183, 0.3667



37.0650, 0.2693, 0.3108



37.0650, 0.3058, 0.2946



37.0650, 0.3582, 0.3445



# Rectangle

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



37.0650, 0.3183, 0.3667



37.0650, 0.2828, 0.3389



37.0650, 0.3058, 0.2946



37.0650, 0.3430, 0.3186

# Sweetspot

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



37.0666, 0.3183, 0.3667



69.6969, 0.3143, 0.3388



35.8205, 0.3361, 0.3533



15.1391, 0.3146, 0.3406



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.



37.0666, 0.3183, 0.3667



65.3799, 0.3196, 0.3765



36.4474, 0.3075, 0.3610



8.5203, 0.3163, 0.3520



21.7645, 0.3171, 0.5864



0.5568, 0.3442, 0.5649



# Inverse Universe

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



30.3818, 0.3062, 0.2923



50.9141, 0.3044, 0.2831



31.0888, 0.3185, 0.2990



7.5441, 0.3088, 0.3064



4.8678, 0.2426, 0.1110

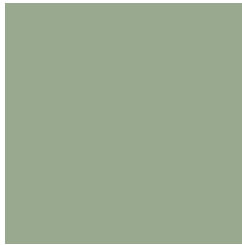


0.1441, 0.2696, 0.1259



# Previews

## White Background



This preview shows how the Yxy color 37.0650, 0.3183, 0.3667 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

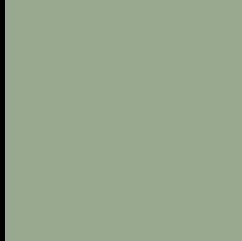
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.0650, 0.3183, 0.3667 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

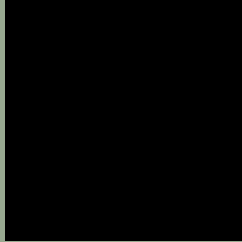
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

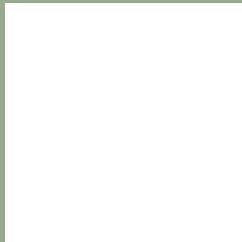
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 37.0650, 0.3183, 0.3667**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.0650, 0.3183, 0.3667.



This preview shows how white text looks on a background with the Yxy color 37.0650, 0.3183, 0.3667.

# 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

37.0650, 0.3183, 0.3667

### Protanopia

36.8881, 0.3414, 0.3606

### Deuteranopia

36.9681, 0.3521, 0.3456



## Tritanopia

36.8933, 0.2954, 0.3104

# Trichromacy



**Original Color**

37.0650, 0.3183, 0.3667

**Protanomaly**

36.8626, 0.3331, 0.3627

**Deuteranomaly**

36.8837, 0.3399, 0.3533

**Tritanomaly**

36.9576, 0.3035, 0.3304

# Monochromacy



**Original Color**

37.0650, 0.3183, 0.3667

**Achromatopsia**

35.6400, 0.3127, 0.3290

**Achromatomaly**

36.1866, 0.3149, 0.3423

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.0650, 0.3183, 0.3667 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(152, 169, 144)` looks like.

```
.text, #text, p{  
    color:rgb(152, 169, 144)  
}
```

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(152, 169, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 169, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 37.0650, 0.3183, 0.3667 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(152, 169, 144) }
```

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

```
.border{ border-color:rgb(152, 169, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 169, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 169, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 169, 144);  
box-shadow:4px 4px 4px 4px rgb(152, 169,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.0650, 0.3183, 0.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 169, 144) }
```

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

```
.background{ background-color: rgb(152,  
169, 144) }
```

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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