

# Converting Colors

Yxy(37.6606, 0.3704, 0.3756)

Have a look what the booklet for  
Yxy(37.6606, 0.3704, 0.3756)  
contains.

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# Color

**Yxy(37.5868, 0.3706, 0.3757)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BBA17F
RGB	187, 161, 127
RGB Percent	73%, 63%, 50%
CMY	0.2665, 0.3687, 0.5019
CMYK	0.00, 0.14, 0.32, 0.27
HSL	34°, 31%, 62%
HSV	34°, 32%, 73%
XYZ	37.0766, 37.5868, 25.3813
YIQ	164.8980, 26.4100, -5.0620

# Conversions

## Conversions Part 2

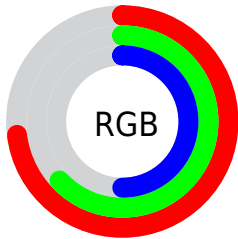
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 187, 127
Decimal	12296575
CIELab	67.71, 4.49, 21.25
CIELCh	68, 21.718, 78.058
Yxy	37.5868, 0.3706, 0.3757
Android (android.graphics.Color)	4290486655 (0xFFBBA17F)
YUV	164.8980, -18.6837, 19.3835
Hunter-Lab	61.3081, 0.6602, 18.3698

# Details

The Yxy color **37.5868, 0.3706, 0.3757** is a light color, and the websafe version is hex **999966**. A complement of this color would be **30.9030, 0.2612, 0.2772**, and the grayscale version is **37.6599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6401, 0.3594, 0.3673**, and **16.6885, 0.3878, 0.3893** is the 20% darker color. If you saturate the color by 10%, you get **34.4002, 0.3928, 0.3905**, and if you desaturate by 10%, it is **41.0515, 0.3503, 0.3606**.

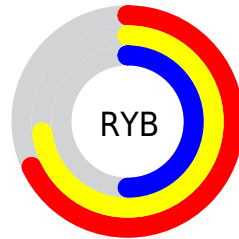
# Distribution



Red (73%)

Green (63%)

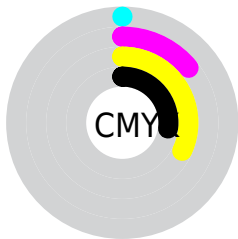
Blue (50%)



Red (68%)

Yellow (73%)

Blue (50%)

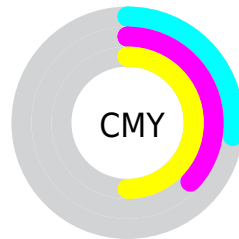


Cyan (0%)

Magenta (14%)

Yellow (32%)

Black (27%)



Cyan (27%)

Magenta (37%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5868, 0.3706, 0.3757 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 37.5868, 0.3706, 0.3757 by changing the saturation by 10% instead.





 37.5868, 0.3706,  
0.3757


 37.5868, 0.3706,  
0.3757


335.8441, 0.3406,  
0.3520


 25.6622, 0.3783,  
0.3816


 71.4744, 0.3595,  
0.3671

 16.5711, 0.3884,  
0.3892

 94.2061, 0.3554,  
0.3638

 9.9291, 0.4019,  
0.3992


 121.3089, 0.3519,  
0.3611

 5.3520, 0.4210,  
0.4127

153.1673, 0.3490,  
0.3587

 2.4552, 0.4516,  
0.4336

190.1656, 0.3465,  
0.3567

 0.8541, 0.5197,  
0.4803

232.6883, 0.3443,

 0.0000, 0.0000,

0.3549

0.0000

281.1196, 0.3423,  
0.3534

■ 37.5868, 0.3706,  
0.3757

■ 37.5868, 0.3706,  
0.3757

■ 34.4002, 0.3928,  
0.3905

■ 41.0515, 0.3503,  
0.3606

■ 31.4781, 0.4164,  
0.4043

■ 44.7972, 0.3321,  
0.3459

■ 28.8130, 0.4410,  
0.4161

■ 48.8332, 0.3159,  
0.3318

■ 26.3953, 0.4652,  
0.4247

■ 53.1667, 0.3015,  
0.3186

■ 24.2141, 0.4880,  
0.4289

■ 57.8047, 0.2889,  
0.3064

■ 22.2569, 0.5078,  
0.4279

■ 62.7539, 0.2778,  
0.2951

■ 20.8529, 0.5215,  
0.4241

■ 67.8302, 0.2697,  
0.2877

■ 72.1382, 0.2706,  
0.2969

■ 76.6551, 0.2714,  
0.3061

# Harmonies

## Analogous

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



37.5868, 0.3777, 0.3530



37.5868, 0.3706, 0.3757



37.5868, 0.3477, 0.3871

# Triad

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



37.5868, 0.3706, 0.3757



37.5868, 0.2616, 0.3284



37.5868, 0.3066, 0.2829

# Complementary

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



37.5868, 0.3706, 0.3757



30.9030, 0.2612, 0.2772

# 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.



37.5868, 0.2767, 0.2754



37.5868, 0.3706, 0.3757



37.5868, 0.2518, 0.2997

# Square

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



37.5868, 0.3706, 0.3757



37.5868, 0.2847, 0.3594



37.5868, 0.2572, 0.2809



37.5868, 0.3397, 0.3010



# Rectangle

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



37.5868, 0.3706, 0.3757



37.5868, 0.3271, 0.3854



37.5868, 0.2572, 0.2809



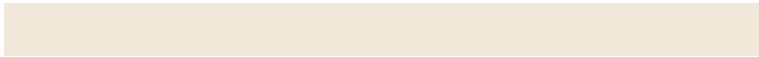
37.5868, 0.2958, 0.2790

# Sweetspot

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



37.5885, 0.3706, 0.3757



81.5507, 0.3288, 0.3431



28.0841, 0.3526, 0.2919



17.7403, 0.3312, 0.3452



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



37.5885, 0.3706, 0.3757



62.9443, 0.3871, 0.3869



47.2850, 0.3577, 0.4087



10.4083, 0.3275, 0.3420



14.5070, 0.5200, 0.4253



0.6961, 0.4897, 0.4494



# Inverse Universe

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



30.9030, 0.2612, 0.2772



48.9961, 0.2486, 0.2626



23.5166, 0.2590, 0.2363



9.8880, 0.2984, 0.3157



6.6796, 0.1718, 0.1386



0.3918, 0.1850, 0.1861



# Previews

## White Background



This preview shows how the Yxy color 37.5868, 0.3706, 0.3757 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 37.5868, 0.3706, 0.3757 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

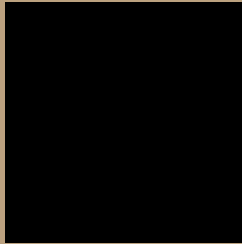
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.5868, 0.3706, 0.3757**

## Background



This preview shows how black text looks on a background with the Yxy color 37.5868, 0.3706, 0.3757.



This preview shows how white text looks on a background with the Yxy color 37.5868, 0.3706, 0.3757.

# 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

37.5868, 0.3706, 0.3757

### Protanopia

37.7254, 0.3559, 0.3802

### Deuteranopia

37.4816, 0.3781, 0.3693



## Tritanopia

37.4763, 0.3373, 0.3119

# Trichromacy



**Original Color**

37.5868, 0.3706, 0.3757

**Protanomaly**

37.8127, 0.3613, 0.3795

**Deuteranomaly**

37.4312, 0.3746, 0.3711

**Tritanomaly**

37.3610, 0.3495, 0.3345

# Monochromacy



**Original Color**

37.5868, 0.3706, 0.3757

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

37.6695, 0.3329, 0.3475

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.5868, 0.3706, 0.3757 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(187, 161, 127)` looks like.

```
.text, #text, p{  
    color:rgb(187, 161, 127)  
}
```

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(187, 161, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 161, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 37.5868, 0.3706, 0.3757 is called "border". The border property can be set on classes, ids or directly on the HTML element.

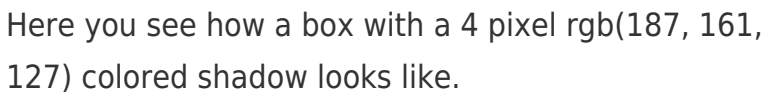
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 161, 127) }
```

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

```
.border{ border-color:rgb(187, 161, 127) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 161, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 161, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 161, 127);  
box-shadow:4px 4px 4px 4px rgb(187, 161,  
127) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 37.5868, 0.3706, 0.3757$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 161, 127) }
```

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

```
.background{ background-color: rgb(187,  
161, 127) }
```

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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