

Converting Colors

$Y_{xy}(37.7950, 0.3768, 0.4134)$

Have a look what the booklet for
Yxy(37.7950, 0.3768, 0.4134)
contains.

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Color

Yxy(37.6602, 0.3772, 0.4133)

Conversions

Conversions Part 1

Format	Color
Hex	B1A66A
RGB	177, 166, 106
RGB Percent	69%, 65%, 42%
CMY	0.3058, 0.3490, 0.5844
CMYK	0.00, 0.06, 0.40, 0.31
HSL	51°, 31%, 55%
HSV	51°, 40%, 69%
XYZ	34.3707, 37.6602, 19.0898
YIQ	162.4490, 25.8160, -16.3280

Conversions

Conversions Part 2

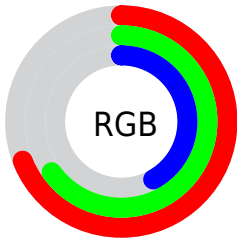
Format	Color
RYB	119, 177, 106
Decimal	11642474
CIELab	67.77, -4.85, 32.49
CIELCh	68, 32.853, 98.496
Yxy	37.6602, 0.3772, 0.4133
Android (android.graphics.Color)	4289832554 (0xFFB1A66A)
YUV	162.4490, -27.8294, 12.7612
Hunter-Lab	61.3679, -7.4201, 24.5141

Details

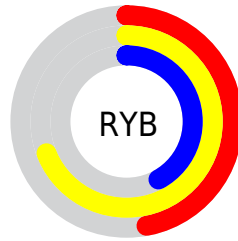
The Yxy color **37.6602, 0.3772, 0.4133** is a light color, and the websafe version is hex **999966**. A complement of this color would be **18.9608, 0.2427, 0.2274**, and the grayscale version is **36.4781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6740, 0.3658, 0.3974**, and **16.5410, 0.3954, 0.4383** is the 20% darker color. If you saturate the color by 10%, you get **36.3438, 0.3936, 0.4329**, and if you desaturate by 10%, it is **39.0774, 0.3604, 0.3924**.

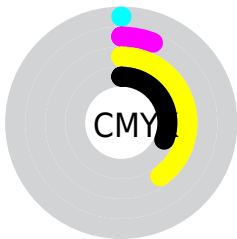
Distribution



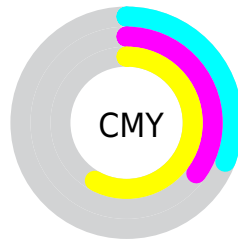
- Red (69%)
- Green (65%)
- Blue (42%)



- Red (47%)
- Yellow (69%)
- Blue (42%)



- Cyan (0%)
- Magenta (6%)
- Yellow (40%)
- Black (31%)



- Cyan (31%)
- Magenta (35%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6602, 0.3772, 0.4133 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 37.6602, 0.3772, 0.4133 by changing the saturation by 10% instead.


 37.6602, 0.3772,
0.4133


 37.6602, 0.3772,
0.4133


336.1601, 0.3448,
0.3699


 25.7191, 0.3851,
0.4243


 71.5870, 0.3655,
0.3973

 16.6136, 0.3949,
0.4383


 94.3415, 0.3611,
0.3914

 9.9594, 0.4072,
0.4565


 121.4692, 0.3573,
0.3864

 5.3720, 0.4226,
0.4808

 153.3545, 0.3541,
0.3821

 2.4672, 0.4619,
0.5381

190.3819, 0.3513,
0.3784

 0.8601, 0.4483,
0.5517

232.9357, 0.3488,

 0.0000, 0.0000,

0.3752

0.0000

281.4003, 0.3467,
0.3724

■ 37.6602, 0.3772,
0.4133

■ 37.6602, 0.3772,
0.4133

■ 36.3438, 0.3936,
0.4329

■ 39.0774, 0.3604,
0.3924

■ 35.1181, 0.4091,
0.4501

■ 40.5946, 0.3439,
0.3710

■ 33.9795, 0.4228,
0.4641

■ 42.2176, 0.3279,
0.3498

■ 32.9220, 0.4343,
0.4740

■ 43.9503, 0.3129,
0.3292

■ 31.9383, 0.4431,
0.4795

■ 45.7964, 0.2989,
0.3098

■ 31.0244, 0.4495,
0.4813

■ 47.7592, 0.2861,
0.2916

■ 49.8421, 0.2745,
0.2747

■ 52.0481, 0.2639,
0.2592

■ 53.6990, 0.2600,
0.2551

Harmonies

Analogous

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



37.6602, 0.4061, 0.3873



37.6602, 0.3772, 0.4133



37.6602, 0.3321, 0.4162

Triad

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



37.6602, 0.3772, 0.4133



37.6602, 0.2252, 0.2957



37.6602, 0.3371, 0.2780

Complementary

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



37.6602, 0.3772, 0.4133



18.9608, 0.2427, 0.2274

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.



37.6602, 0.2874, 0.2563



37.6602, 0.3772, 0.4133



37.6602, 0.2262, 0.2635

Square

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



37.6602, 0.3772, 0.4133



37.6602, 0.2454, 0.3426



37.6602, 0.2479, 0.2506



37.6602, 0.3830, 0.3112

Rectangle

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



37.6602, 0.3772, 0.4133



37.6602, 0.2995, 0.4015



37.6602, 0.2479, 0.2506



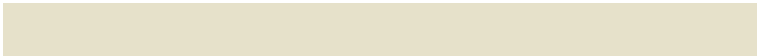
37.6602, 0.3202, 0.2692

Sweetspot

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



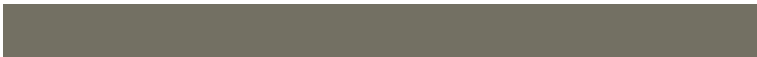
37.6619, 0.3772, 0.4133



74.9779, 0.3312, 0.3541



20.9582, 0.3948, 0.3117



16.1684, 0.3332, 0.3568



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



37.6619, 0.3772, 0.4133



65.3788, 0.3915, 0.4304



39.2947, 0.3488, 0.4348



9.6778, 0.3267, 0.3481



22.5469, 0.4491, 0.4816



0.7697, 0.4396, 0.4892

Inverse Universe

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



18.9608, 0.2427, 0.2274



27.3574, 0.2256, 0.2008



18.1999, 0.2636, 0.2157



8.4359, 0.2985, 0.3092



2.9417, 0.1541, 0.0747



0.1582, 0.1659, 0.1173

Previews

White Background



This preview shows how the Yxy color 37.6602, 0.3772, 0.4133 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 37.6602, 0.3772, 0.4133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

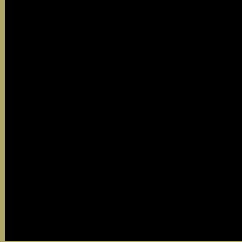
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6602, 0.3772, 0.4133

Background



This preview shows how black text looks on a background with the Yxy color 37.6602, 0.3772, 0.4133.



This preview shows how white text looks on a background with the Yxy color 37.6602, 0.3772, 0.4133.

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

37.6602, 0.3772, 0.4133

Protanopia

37.6542, 0.3808, 0.4111

Deuteranopia

37.5422, 0.4016, 0.3944



Tritanopia

37.5463, 0.3271, 0.3129

Trichromacy



Original Color

37.6602, 0.3772, 0.4133

Protanomaly

37.5346, 0.3798, 0.4114

Deuteranomaly

37.4984, 0.3924, 0.4017

Tritanomaly

37.4201, 0.3453, 0.3485

Monochromacy



Original Color

37.6602, 0.3772, 0.4133

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.3629, 0.3355, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6602, 0.3772, 0.4133 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(177, 166, 106)` looks like.

```
.text, #text, p{  
    color:rgb(177, 166, 106)  
}
```

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(177, 166, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 166, 106) }
```

Border

The CSS property to change the border of an element to Yxy 37.6602, 0.3772, 0.4133 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(177, 166, 106) }
```

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

```
.border{ border-color:rgb(177, 166, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 166, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 166, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 166, 106);  
box-shadow:4px 4px 4px 4px rgb(177, 166,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6602, 0.3772, 0.4133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 166, 106) }
```

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

```
.background{ background-color: rgb(177,  
166, 106) }
```

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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