

Converting Colors

$Y_{xy}(37.3090, 0.3680, 0.4011)$

Have a look what the booklet for
Yxy(37.3090, 0.3680, 0.4011)
contains.

Yxy(37.2620, 0.3677, 0.4002)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.2620, 0.3677, 0.4002)

Conversions

Conversions Part 1

Format	Color
Hex	AFA573
RGB	175, 165, 115
RGB Percent	69%, 65%, 45%
CMY	0.3136, 0.3530, 0.5490
CMYK	0.00, 0.06, 0.34, 0.31
HSL	50°, 27%, 57%
HSV	50°, 34%, 69%
XYZ	34.2360, 37.2620, 21.6105
YIQ	162.2900, 22.0100, -13.4300

Conversions

Conversions Part 2

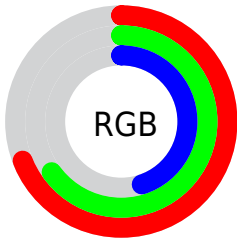
Format	Color
RYB	127, 175, 115
Decimal	11511155
CIELab	67.47, -4.04, 27.26
CIELCh	67, 27.555, 98.436
Yxy	37.2620, 0.3677, 0.4002
Android (android.graphics.Color)	4289701235 (0xFFAFA573)
YUV	162.2900, -23.3140, 11.1467
Hunter-Lab	61.0426, -6.7122, 21.7398

Details

The Yxy color **37.2620, 0.3677, 0.4002** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.4250, 0.2543, 0.2459**, and the grayscale version is **36.3814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9653, 0.3575, 0.3872**, and **16.3412, 0.3846, 0.4214** is the 20% darker color. If you saturate the color by 10%, you get **35.8532, 0.3846, 0.4204**, and if you desaturate by 10%, it is **38.7749, 0.3508, 0.3792**.

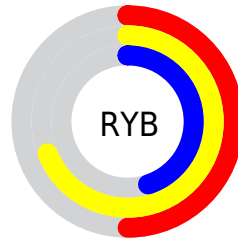
Distribution



Red (69%)

Green (65%)

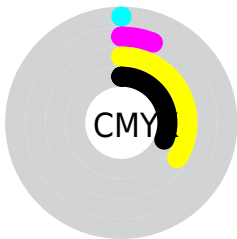
Blue (45%)



Red (50%)

Yellow (69%)

Blue (45%)

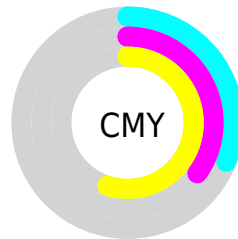


Cyan (0%)

Magenta (6%)

Yellow (34%)

Black (31%)



Cyan (31%)


Magenta (35%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2620, 0.3677, 0.4002 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 37.2620, 0.3677, 0.4002 by changing the saturation by 10% instead.


 37.2620, 0.3677,
0.4002

 37.2620, 0.3677,
0.4002


334.4434, 0.3397,
0.3633


 25.4104, 0.3747,
0.4097


 70.9756, 0.3575,
0.3865

 16.3831, 0.3835,
0.4219


 93.6063, 0.3537,
0.3815

 9.7956, 0.3950,
0.4382


 120.5989, 0.3504,
0.3772

 5.2637, 0.4101,
0.4606

152.3378, 0.3477,
0.3736

 2.4028, 0.4461,
0.5112

189.2072, 0.3453,
0.3705

 0.8273, 0.4539,
0.5461

231.5918, 0.3432,

 0.0000, 0.0000,

0.3678

0.0000

279.8757, 0.3414,
0.3654

■ 37.2620, 0.3677,
0.4002

■ 37.2620, 0.3677,
0.4002

■ 35.8532, 0.3846,
0.4204

■ 38.7749, 0.3508,
0.3792

■ 34.5390, 0.4010,
0.4389

■ 40.3910, 0.3345,
0.3581

■ 33.3161, 0.4162,
0.4547


■ 42.1160, 0.3190,
0.3376


■ 32.1789, 0.4295,
0.4670

■ 43.9533, 0.3046,
0.3179


■ 31.1212, 0.4403,
0.4749


■ 45.9065, 0.2914,
0.2995


 30.1354, 0.4483,
0.4784

 47.9788, 0.2793,
0.2823

 29.5954, 0.4522,
0.4792

 50.1735, 0.2683,
0.2665

 52.4906, 0.2585,
0.2521

 53.7591, 0.2589,
0.2556

Harmonies

Analogous

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



37.2620, 0.3916, 0.3791



37.2620, 0.3677, 0.4002



37.2620, 0.3298, 0.4016

Triad

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



37.2620, 0.3677, 0.4002



37.2620, 0.2381, 0.3016



37.2620, 0.3335, 0.2854

Complementary

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



37.2620, 0.3677, 0.4002



21.4250, 0.2543, 0.2459

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.



37.2620, 0.2915, 0.2668



37.2620, 0.3677, 0.4002



37.2620, 0.2389, 0.2738

Square

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



37.2620, 0.3677, 0.4002



37.2620, 0.2558, 0.3409



37.2620, 0.2576, 0.2621



37.2620, 0.3718, 0.3142

Rectangle

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



37.2620, 0.3677, 0.4002



37.2620, 0.3021, 0.3892



37.2620, 0.2576, 0.2621



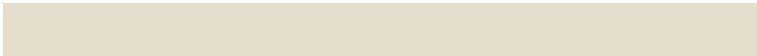
37.2620, 0.3192, 0.2779

Sweetspot

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



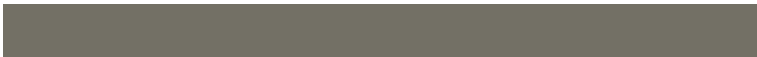
37.2637, 0.3677, 0.4002



73.5506, 0.3280, 0.3495



22.8895, 0.3770, 0.3128



16.2538, 0.3302, 0.3524



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.



37.2637, 0.3677, 0.4002



64.8152, 0.3803, 0.4153



38.9847, 0.3450, 0.4183



9.0985, 0.3267, 0.3477



21.2608, 0.4517, 0.4795



0.6510, 0.4404, 0.4885

Inverse Universe

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



21.4250, 0.2543, 0.2459



32.2498, 0.2399, 0.2243



20.4308, 0.2712, 0.2337



7.9659, 0.2986, 0.3095



2.9198, 0.1546, 0.0766



0.1451, 0.1679, 0.1244

Previews

White Background



This preview shows how the Yxy color 37.2620, 0.3677, 0.4002 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 37.2620, 0.3677, 0.4002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

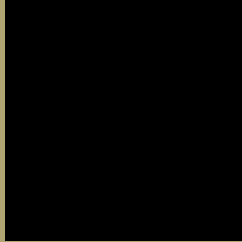
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2620, 0.3677, 0.4002

Background



This preview shows how black text looks on a background with the Yxy color 37.2620, 0.3677, 0.4002.



This preview shows how white text looks on a background with the Yxy color 37.2620, 0.3677, 0.4002.

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

37.2620, 0.3677, 0.4002

Protanopia

37.1358, 0.3702, 0.3984

Deuteranopia

37.0004, 0.3904, 0.3824



Tritanopia

37.1798, 0.3241, 0.3127

Trichromacy



Original Color

37.2620, 0.3677, 0.4002

Protanomaly

37.0188, 0.3691, 0.3987

Deuteranomaly

37.0939, 0.3825, 0.3892

Tritanomaly

37.2755, 0.3404, 0.3444

Monochromacy



Original Color

37.2620, 0.3677, 0.4002

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.4542, 0.3327, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2620, 0.3677, 0.4002 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(175, 165, 115)` looks like.

```
.text, #text, p{  
    color:rgb(175, 165, 115)  
}
```

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(175, 165, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 165, 115) }
```

Border

The CSS property to change the border of an element to Yxy 37.2620, 0.3677, 0.4002 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(175, 165, 115) }
```

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

```
.border{ border-color:rgb(175, 165, 115) }
```

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

Here you see how a box with a 4 pixel rgb(175, 165, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 165, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 165, 115);  
box-shadow:4px 4px 4px 4px rgb(175, 165,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2620, 0.3677, 0.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 165, 115) }
```

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

```
.background{ background-color: rgb(175,  
165, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor