

Converting Colors

$Yxy(37.7713, 0.3452, 0.4137)$

Have a look what the booklet for
Yxy(37.7713, 0.3452, 0.4137)
contains.

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Color

Yxy(37.8339, 0.3451, 0.4130)

Conversions

Conversions Part 1

Format	Color
Hex	9CAC74
RGB	156, 172, 116
RGB Percent	61%, 67%, 45%
CMY	0.3883, 0.3255, 0.5451
CMYK	0.09, 0.00, 0.33, 0.33
HSL	77°, 25%, 56%
HSV	77°, 33%, 67%
XYZ	31.6138, 37.8339, 22.1599
YIQ	160.8320, 8.4400, -20.8080

Conversions

Conversions Part 2

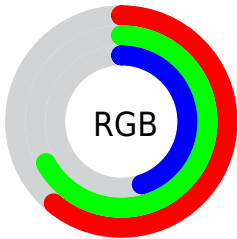
Format	Color
RYB	116, 172, 132
Decimal	10267764
CIELab	67.90, -15.20, 27.01
CIELCh	68, 30.992, 119.368
Yxy	37.8339, 0.3451, 0.4130
Android (android.graphics.Color)	4288457844 (0xFF9CAC74)
YUV	160.8320, -22.1022, -4.2377
Hunter-Lab	61.5093, -15.8981, 21.6962

Details

The Yxy color **37.8339, 0.3451, 0.4130** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.3775, 0.2720, 0.2388**, and the grayscale version is **35.6602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6516, 0.3392, 0.3953**, and **16.7812, 0.3531, 0.4409** is the 20% darker color. If you saturate the color by 10%, you get **36.9908, 0.3541, 0.4399**, and if you desaturate by 10%, it is **38.7744, 0.3354, 0.3861**.

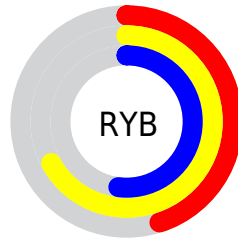
Distribution



Red (61%)

Green (67%)

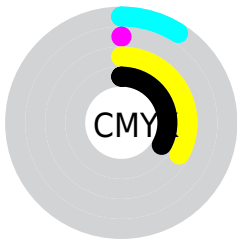
Blue (45%)



Red (45%)

Yellow (67%)

Blue (52%)

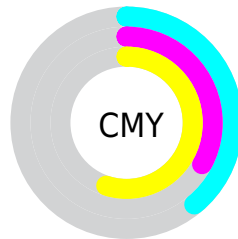


Cyan (9%)

Magenta (0%)

Yellow (33%)

Black (33%)



Cyan (39%)


Magenta (33%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8339, 0.3451, 0.4130 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 37.8339, 0.3451, 0.4130 by changing the saturation by 10% instead.


 37.8339, 0.3451,
0.4130


 37.8339, 0.3451,
0.4130


336.9069, 0.3293,
0.3684


 25.8538, 0.3487,
0.4249


 71.8535, 0.3395,
0.3962

 16.7143, 0.3532,
0.4405


 94.6617, 0.3374,
0.3901

 10.0310, 0.3584,
0.4620


 121.8482, 0.3356,
0.3850

 5.4195, 0.3644,
0.4929

153.7972, 0.3340,
0.3807

 2.4955, 0.3816,
0.5582

190.8932, 0.3326,
0.3770

 0.8744, 0.3447,
0.6553

233.5205, 0.3314,

 0.0000, 0.0000,

0.3737

0.0000

282.0637, 0.3303,
0.3709

■ 37.8339, 0.3451,
0.4130

■ 37.8339, 0.3451,
0.4130

■ 36.9908, 0.3541,
0.4399

■ 38.7744, 0.3354,
0.3861

■ 36.2356, 0.3618,
0.4658

■ 39.8112, 0.3253,
0.3599

■ 35.5654, 0.3677,
0.4896

■ 40.9498, 0.3153,
0.3351

■ 34.9749, 0.3715,
0.5101


■ 42.1936, 0.3055,
0.3119


■ 34.4581, 0.3729,
0.5264


■ 43.5461, 0.2961,
0.2906


 34.0079, 0.3718,
0.5380

 45.0104, 0.2873,
0.2711

 33.7048, 0.3699,
0.5445

 46.5895, 0.2790,
0.2534

 48.2865, 0.2714,
0.2375

 49.0434, 0.2741,
0.2371

Harmonies

Analogous

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



37.8339, 0.3841, 0.4030



37.8339, 0.3451, 0.4130



37.8339, 0.2991, 0.3960

Triad

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



37.8339, 0.3451, 0.4130



37.8339, 0.2284, 0.2747



37.8339, 0.3672, 0.3018

Complementary

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



37.8339, 0.3451, 0.4130



20.3775, 0.2720, 0.2388

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.



37.8339, 0.3213, 0.2730



37.8339, 0.3451, 0.4130



37.8339, 0.2432, 0.2566

Square

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



37.8339, 0.3451, 0.4130



37.8339, 0.2337, 0.3103



37.8339, 0.2761, 0.2567



37.8339, 0.3985, 0.3378

Rectangle

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



37.8339, 0.3451, 0.4130



37.8339, 0.2709, 0.3711



37.8339, 0.2761, 0.2567



37.8339, 0.3527, 0.2912

Sweetspot

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



37.8356, 0.3451, 0.4130



72.6916, 0.3229, 0.3539



26.5000, 0.3785, 0.3531



15.7384, 0.3243, 0.3573



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



37.8356, 0.3451, 0.4130



67.5222, 0.3516, 0.4323



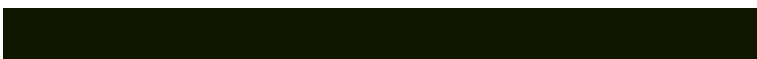
35.3685, 0.3189, 0.4204



9.2134, 0.3220, 0.3517



25.1086, 0.3704, 0.5441



0.7244, 0.3859, 0.5318

Inverse Universe

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



20.3775, 0.2720, 0.2388



30.9342, 0.2609, 0.2162



22.9308, 0.3026, 0.2464



7.8640, 0.3028, 0.3059



2.7307, 0.1699, 0.0709



0.1040, 0.2044, 0.0900

Previews

White Background



This preview shows how the Yxy color 37.8339, 0.3451, 0.4130 looks on a white background.

Color Contrast Check

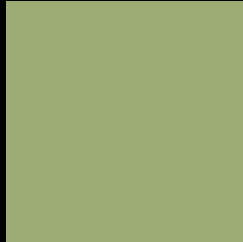
Large Text (above 18pt) WCAG AA × Fail

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 37.8339, 0.3451, 0.4130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

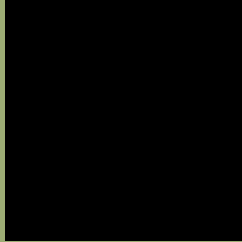
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8339, 0.3451, 0.4130

Background



This preview shows how black text looks on a background with the Yxy color 37.8339, 0.3451, 0.4130.



This preview shows how white text looks on a background with the Yxy color 37.8339, 0.3451, 0.4130.

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

37.8339, 0.3451, 0.4130

Protanopia

37.6862, 0.3736, 0.4019

Deuteranopia

37.5214, 0.3890, 0.3809



Tritanopia

37.6178, 0.3017, 0.3107

Trichromacy



Original Color

37.8339, 0.3451, 0.4130

Protanomaly

37.8781, 0.3632, 0.4066

Deuteranomaly

37.3261, 0.3720, 0.3920

Tritanomaly

37.5811, 0.3175, 0.3465

Monochromacy



Original Color

37.8339, 0.3451, 0.4130

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.3255, 0.3246, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8339, 0.3451, 0.4130 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(156, 172, 116)` looks like.

```
.text, #text, p{  
    color:rgb(156, 172, 116)  
}
```

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(156, 172, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 172, 116) }
```

Border

The CSS property to change the border of an element to Yxy 37.8339, 0.3451, 0.4130 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(156, 172, 116) }
```

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

```
.border{ border-color:rgb(156, 172, 116) }
```

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

Here you see how a box with a 4 pixel rgb(156, 172, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 172, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 172, 116);  
box-shadow:4px 4px 4px 4px rgb(156, 172,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8339, 0.3451, 0.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 172, 116) }
```

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

```
.background{ background-color: rgb(156,  
172, 116) }
```

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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