

Converting Colors

$Y_{xy}(37.9850, 0.3717, 0.4371)$

Have a look what the booklet for
Yxy(37.9850, 0.3717, 0.4371)
contains.

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Color

Yxy(38.0773, 0.3716, 0.4367)

Conversions

Conversions Part 1

Format	Color
Hex	A6AB60
RGB	166, 171, 96
RGB Percent	65%, 67%, 38%
CMY	0.3490, 0.3294, 0.6234
CMYK	0.03, 0.00, 0.44, 0.33
HSL	64°, 31%, 52%
HSV	64°, 44%, 67%
XYZ	32.4010, 38.0773, 16.7149
YIQ	160.9550, 21.0950, -24.3850

Conversions

Conversions Part 2

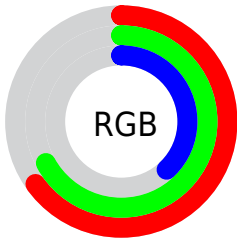
Format	Color
RYB	96, 171, 101
Decimal	10922848
CIELab	68.08, -13.12, 37.87
CIELCh	68, 40.081, 109.109
Yxy	38.0773, 0.3716, 0.4367
Android (android.graphics.Color)	4289112928 (0xFFA6AB60)
YUV	160.9550, -32.0228, 4.4245
Hunter-Lab	61.7068, -14.2601, 27.1345

Details

The Yxy color **38.0773, 0.3716, 0.4367** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.0802, 0.2370, 0.1974**, and the grayscale version is **35.7647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0604, 0.3615, 0.4157**, and **16.8436, 0.3847, 0.4698** is the 20% darker color. If you saturate the color by 10%, you get **37.6746, 0.3830, 0.4587**, and if you desaturate by 10%, it is **38.5530, 0.3588, 0.4127**.

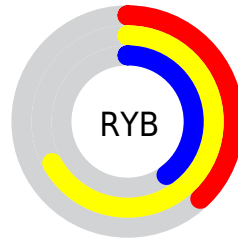
Distribution



Red (65%)

Green (67%)

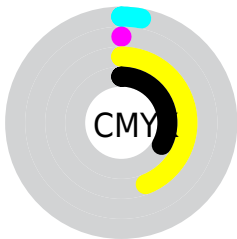
Blue (38%)



Red (38%)

Yellow (67%)

Blue (40%)

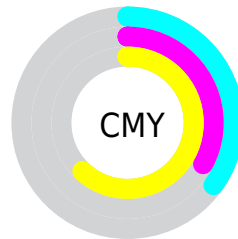


Cyan (3%)

Magenta (0%)

Yellow (44%)

Black (33%)



Cyan (35%)


Magenta (33%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0773, 0.3716, 0.4367 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 38.0773, 0.3716, 0.4367 by changing the saturation by 10% instead.


 38.0773, 0.3716,
0.4367


 38.0773, 0.3716,
0.4367


337.9515, 0.3430,
0.3805


 26.0427, 0.3780,
0.4510


 72.2266, 0.3617,
0.4159


 16.8556, 0.3855,
0.4694


 95.1101, 0.3578,
0.4082

 10.1316, 0.3941,
0.4934


 122.3786, 0.3544,
0.4018

 5.4863, 0.4034,
0.5260

 154.4167, 0.3515,
0.3962

 2.5353, 0.4179,
0.5821

191.6086, 0.3490,
0.3915

 0.8943, 0.3720,
0.6280

234.3387, 0.3468,

 0.0000, 0.0000,

0.3874

0.0000

282.9916, 0.3448,
0.3837

■ 38.0773, 0.3716,
0.4367

■ 38.0773, 0.3716,
0.4367

■ 37.6746, 0.3830,
0.4587

■ 38.5530, 0.3588,
0.4127

■ 37.3354, 0.3926,
0.4778

■ 39.1007, 0.3453,
0.3878

■ 37.0562, 0.4000,
0.4932

■ 39.7259, 0.3315,
0.3627

■ 36.8313, 0.4048,
0.5045

■ 40.4321, 0.3179,
0.3382

■ 36.6539, 0.4071,
0.5114

■ 41.2225, 0.3047,
0.3147

■ 36.5584, 0.4078,
0.5144

■ 42.1003, 0.2922,
0.2927

■ 43.0684, 0.2805,
0.2722

■ 44.1296, 0.2697,
0.2535

■ 45.2867, 0.2598,
0.2364

Harmonies

Analogous

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



38.0773, 0.4158, 0.4111



38.0773, 0.3716, 0.4367



38.0773, 0.3140, 0.4293

Triad

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



38.0773, 0.3716, 0.4367



38.0773, 0.2060, 0.2715



38.0773, 0.3634, 0.2806

Complementary

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



38.0773, 0.3716, 0.4367



14.0802, 0.2370, 0.1974

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.



38.0773, 0.3021, 0.2498



38.0773, 0.3716, 0.4367



38.0773, 0.2160, 0.2421

Square

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



38.0773, 0.3716, 0.4367



38.0773, 0.2206, 0.3231



38.0773, 0.2493, 0.2357



38.0773, 0.4131, 0.3226

Rectangle

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



38.0773, 0.3716, 0.4367



38.0773, 0.2760, 0.4028



38.0773, 0.2493, 0.2357



38.0773, 0.3431, 0.2688

Sweetspot

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



38.0790, 0.3716, 0.4367



71.2175, 0.3307, 0.3612



18.8162, 0.4220, 0.3369



15.8248, 0.3336, 0.3666



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.



38.0790, 0.3716, 0.4367



67.4644, 0.3831, 0.4589



34.6016, 0.3347, 0.4514



9.3026, 0.3253, 0.3515



27.5676, 0.4079, 0.5143



0.7748, 0.4116, 0.5114

Inverse Universe

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



14.0802, 0.2370, 0.1974



18.6733, 0.2164, 0.1626



16.7589, 0.2782, 0.2109



7.7818, 0.2995, 0.3056



2.2813, 0.1526, 0.0614



0.0715, 0.1639, 0.0677

Previews

White Background



This preview shows how the Yxy color 38.0773, 0.3716, 0.4367 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 38.0773, 0.3716, 0.4367 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 38.0773, 0.3716, 0.4367

Background



This preview shows how black text looks on a background with the Yxy color 38.0773, 0.3716, 0.4367.



This preview shows how white text looks on a background with the Yxy color 38.0773, 0.3716, 0.4367.

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

38.0773, 0.3716, 0.4367

Protanopia

38.0257, 0.3924, 0.4270

Deuteranopia

37.7721, 0.4129, 0.4044



Tritanopia

38.0498, 0.3136, 0.3112

Trichromacy



Original Color

38.0773, 0.3716, 0.4367

Protanomaly

38.0616, 0.3842, 0.4305

Deuteranomaly

37.7676, 0.3971, 0.4162

Tritanomaly

37.7562, 0.3363, 0.3561

Monochromacy



Original Color

38.0773, 0.3716, 0.4367

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.5029, 0.3356, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0773, 0.3716, 0.4367 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(166, 171, 96)` looks like.

```
.text, #text, p{  
    color:rgb(166, 171, 96)  
}
```

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(166, 171, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 171, 96) }
```

Border

The CSS property to change the border of an element to Yxy 38.0773, 0.3716, 0.4367 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(166, 171, 96) }
```

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

```
.border{ border-color:rgb(166, 171, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 171, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 171, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 171, 96);  
box-shadow:4px 4px 4px 4px rgb(166, 171,  
96) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 38.0773, 0.3716, 0.4367$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 171, 96) }
```

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

```
.background{ background-color: rgb(166,  
171, 96) }
```

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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