

Converting Colors

$Yxy(37.1183, 0.3352, 0.4374)$

Have a look what the booklet for
Yxy(37.1183, 0.3352, 0.4374)
contains.

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Color

Yxy(37.1038, 0.3350, 0.4375)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 8AAF6A |
| RGB | 138, 175, 106 |
| RGB Percent | 54%, 69%, 42% |
| CMY | 0.4589, 0.3137, 0.5844 |
| CMYK | 0.21, 0.00, 0.39, 0.31 |
| HSL | 92°, 30%, 55% |
| HSV | 92°, 39%, 69% |
| XYZ | 28.4109, 37.1038, 19.2940 |
| YIQ | 156.0710, 0.0970, -29.3030 |

Conversions

Conversions Part 2

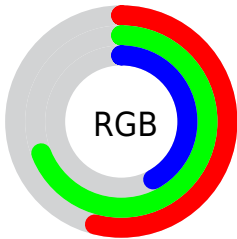
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 106, 175, 143 |
| Decimal | 9088874 |
| CIELab | 67.35, -24.98, 31.38 |
| CIELCh | 67, 40.106, 128.517 |
| Yxy | 37.1038, 0.3350, 0.4375 |
| Android (android.graphics.Color) | 4287278954 (0xFF8AAF6A) |
| YUV | 156.0710, -24.6850, -15.8483 |
| Hunter-Lab | 60.9129, -23.3418, 23.8591 |

Details

The Yxy color **37.1038, 0.3350, 0.4375** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.2384, 0.2801, 0.2225**, and the grayscale version is **33.3907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9579, 0.3323, 0.4156**, and **16.1929, 0.3381, 0.4746** is the 20% darker color. If you saturate the color by 10%, you get **36.0116, 0.3389, 0.4675**, and if you desaturate by 10%, it is **38.3427, 0.3300, 0.4077**.

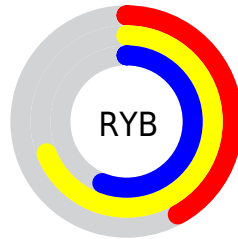
Distribution



Red (54%)

Green (69%)

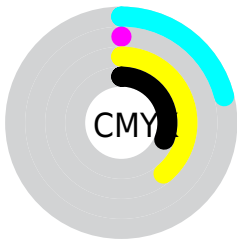
Blue (42%)



Red (42%)

Yellow (69%)

Blue (56%)

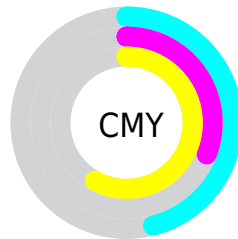


Cyan (21%)

Magenta (0%)

Yellow (39%)

Black (31%)



Cyan (46%)


Magenta (31%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1038, 0.3350, 0.4375 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 37.1038, 0.3350, 0.4375 by changing the saturation by 10% instead.


 37.1038, 0.3350,
0.4375


 37.1038, 0.3350,
0.4375


333.7597, 0.3252,
0.3789


 25.2879, 0.3367,
0.4534


 70.7324, 0.3319,
0.4152


 16.2917, 0.3383,
0.4746


 93.3139, 0.3306,
0.4071

 9.7308, 0.3392,
0.5039


 120.2526, 0.3295,
0.4004

 5.2208, 0.3376,
0.5462

 151.9331, 0.3284,
0.3948

 2.3774, 0.3490,
0.6510

188.7396, 0.3275,
0.3900

 0.8142, 0.1678,
0.8322

231.0566, 0.3267,

 0.0000, 0.0000,

0.3858

0.0000

279.2685, 0.3259,
0.3821

■ 37.1038, 0.3350,
0.4375

■ 37.1038, 0.3350,
0.4375

■ 36.0116, 0.3389,
0.4675

■ 38.3427, 0.3300,
0.4077

■ 35.0551, 0.3414,
0.4964

■ 39.7292, 0.3244,
0.3791

■ 34.2288, 0.3420,
0.5228

■ 41.2705, 0.3184,
0.3523

■ 33.5252, 0.3407,
0.5450


■ 42.9718, 0.3124,
0.3277


■ 32.9356, 0.3372,
0.5619


■ 44.8380, 0.3064,
0.3053


 32.4446, 0.3324,
0.5739

 46.8737, 0.3007,
0.2852

 32.4192, 0.3321,
0.5745

 49.0835, 0.2952,
0.2672

 51.4716, 0.2900,
0.2512

 53.4834, 0.2910,
0.2445

Harmonies

Analogous

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



37.1038, 0.3901, 0.4315



37.1038, 0.3350, 0.4375



37.1038, 0.2767, 0.4045

Triad

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



37.1038, 0.3350, 0.4375



37.1038, 0.2089, 0.2491



37.1038, 0.3991, 0.3067

Complementary

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



37.1038, 0.3350, 0.4375



19.2384, 0.2801, 0.2225

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.



37.1038, 0.3422, 0.2676



37.1038, 0.3350, 0.4375



37.1038, 0.2343, 0.2347

Square

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



37.1038, 0.3350, 0.4375



37.1038, 0.2074, 0.2871



37.1038, 0.2814, 0.2420



37.1038, 0.4309, 0.3526

Rectangle

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



37.1038, 0.3350, 0.4375



37.1038, 0.2440, 0.3660



37.1038, 0.2814, 0.2420



37.1038, 0.3819, 0.2926

Sweetspot

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



37.1054, 0.3350, 0.4375



73.1163, 0.3201, 0.3595



29.7381, 0.3876, 0.3832



16.1719, 0.3209, 0.3629



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.



37.1054, 0.3350, 0.4375



64.7924, 0.3384, 0.4626



34.8142, 0.3055, 0.4433



9.1145, 0.3183, 0.3520



23.2504, 0.3329, 0.5739



0.6795, 0.3578, 0.5541

Inverse Universe

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



19.2384, 0.2801, 0.2225



28.4481, 0.2710, 0.1984



22.4244, 0.3198, 0.2363



7.9607, 0.3066, 0.3061



3.9515, 0.2111, 0.0936



0.1420, 0.2439, 0.1117

Previews

White Background



This preview shows how the Yxy color 37.1038, 0.3350, 0.4375 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 37.1038, 0.3350, 0.4375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

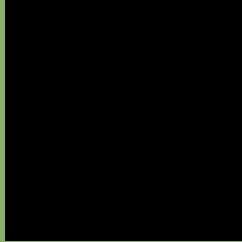
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1038, 0.3350, 0.4375

Background



This preview shows how black text looks on a background with the Yxy color 37.1038, 0.3350, 0.4375.



This preview shows how white text looks on a background with the Yxy color 37.1038, 0.3350, 0.4375.

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

37.1038, 0.3350, 0.4375

Protanopia

36.9752, 0.3827, 0.4158

Deuteranopia

36.6385, 0.3988, 0.3900



Tritanopia

36.9167, 0.2870, 0.3101

Trichromacy



Original Color

37.1038, 0.3350, 0.4375

Protanomaly

36.7711, 0.3644, 0.4246

Deuteranomaly

36.4125, 0.3740, 0.4060

Tritanomaly

36.6627, 0.3052, 0.3549

Monochromacy



Original Color

37.1038, 0.3350, 0.4375

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.4189, 0.3214, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1038, 0.3350, 0.4375 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(138, 175, 106)` looks like.

```
.text, #text, p{  
    color:rgb(138, 175, 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(138, 175, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 175, 106) }
```

Border

The CSS property to change the border of an element to Yxy 37.1038, 0.3350, 0.4375 is called "border". The border property can be set on classes, ids or directly on the HTML element.

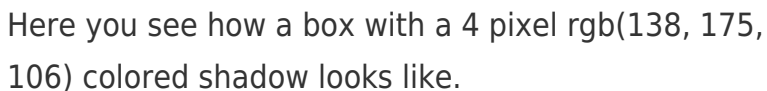
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 175, 106) }
```

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

```
.border{ border-color:rgb(138, 175, 106) }
```

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



Here you see how a box with a 4 pixel `rgb(138, 175, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 175, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 175, 106); box-shadow:4px 4px 4px 4px rgb(138, 175, 106) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1038, 0.3350, 0.4375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 175, 106) }
```

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

```
.background{ background-color: rgb(138,  
175, 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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