

Converting Colors

$Yxy(37.7325, 0.3638, 0.4577)$

Have a look what the booklet for
Yxy(37.7325, 0.3638, 0.4577)
contains.

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Color

Yxy(37.7325, 0.3638, 0.4577)

Conversions

Conversions Part 1

Format	Color
Hex	99AE57
RGB	153, 174, 87
RGB Percent	60%, 68%, 34%
CMY	0.4000, 0.3176, 0.6589
CMYK	0.12, 0.00, 0.50, 0.32
HSL	74°, 35%, 51%
HSV	74°, 50%, 68%
XYZ	29.9914, 37.7325, 14.7154
YIQ	157.8030, 15.4110, -31.5090

Conversions

Conversions Part 2

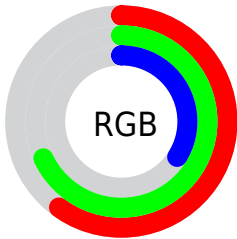
Format	Color
RYB	87, 174, 108
Decimal	10071639
CIELab	67.82, -20.91, 41.89
CIELCh	68, 46.814, 116.524
Yxy	37.7325, 0.3638, 0.4577
Android (android.graphics.Color)	4288261719 (0xFF99AE57)
YUV	157.8030, -34.9059, -4.2122
Hunter-Lab	61.4268, -20.3448, 28.7952

Details

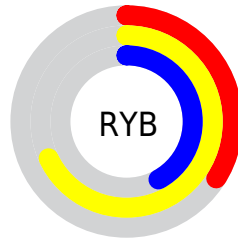
The Yxy color **37.7325, 0.3638, 0.4577** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.0584, 0.2395, 0.1815**, and the grayscale version is **34.2535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0130, 0.3559, 0.4326**, and **16.7620, 0.3731, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **37.0816, 0.3710, 0.4813**, and if you desaturate by 10%, it is **38.4698, 0.3549, 0.4321**.

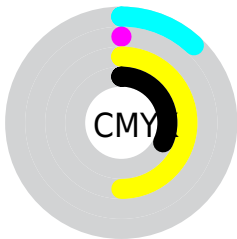
Distribution



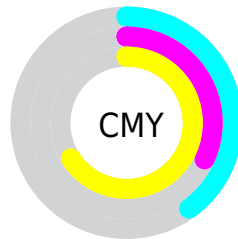
- Red (60%)
- Green (68%)
- Blue (34%)



- Red (34%)
- Yellow (68%)
- Blue (42%)



- Cyan (12%)
- Magenta (0%)
- Yellow (50%)
- Black (32%)





- Cyan (40%)
- Magenta (32%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7325, 0.3638, 0.4577 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 37.7325, 0.3638, 0.4577 by changing the saturation by 10% instead.


 37.7325, 0.3638,
0.4577


 37.7325, 0.3638,
0.4577


336.4711, 0.3402,
0.3897


 25.7751, 0.3684,
0.4753


 71.6979, 0.3560,
0.4324

 16.6555, 0.3733,
0.4979


 94.4748, 0.3528,
0.4230

 9.9892, 0.3777,
0.5275


 121.6270, 0.3500,
0.4152

 5.3918, 0.3826,
0.5723

 153.5389, 0.3476,
0.4085

 2.4789, 0.3740,
0.6260

 190.5948, 0.3454,
0.4028

 0.8661, 0.2653,
0.7347

233.1792, 0.3435,

 0.0000, 0.0000,

0.3979

0.0000

281.6765, 0.3418,
0.3935

■ 37.7325, 0.3638,
0.4577

■ 37.7325, 0.3638,
0.4577

■ 37.0816, 0.3710,
0.4813

■ 38.4698, 0.3549,
0.4321

■ 36.5067, 0.3762,
0.5018

■ 39.2930, 0.3449,
0.4056

■ 36.0038, 0.3789,
0.5184

■ 40.2080, 0.3343,
0.3791

■ 35.5661, 0.3791,
0.5303

■ 41.2189, 0.3235,
0.3534

■ 35.1792, 0.3774,
0.5386

■ 42.3294, 0.3127,
0.3290

■ 43.5428, 0.3024,
0.3062

■ 44.8626, 0.2925,
0.2852

■ 46.2919, 0.2833,
0.2660

■ 47.8336, 0.2747,
0.2486

Harmonies

Analogous

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



37.7325, 0.4212, 0.4328



37.7325, 0.3638, 0.4577



37.7325, 0.2961, 0.4390

Triad

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



37.7325, 0.3638, 0.4577



37.7325, 0.1906, 0.2505



37.7325, 0.3886, 0.2838

Complementary

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



37.7325, 0.3638, 0.4577



13.0584, 0.2395, 0.1815

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.



37.7325, 0.3173, 0.2453



37.7325, 0.3638, 0.4577



37.7325, 0.2085, 0.2246

Square

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



37.7325, 0.3638, 0.4577



37.7325, 0.1996, 0.3040



37.7325, 0.2522, 0.2241



37.7325, 0.4400, 0.3331

Rectangle

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



37.7325, 0.3638, 0.4577



37.7325, 0.2543, 0.4008



37.7325, 0.2522, 0.2241



37.7325, 0.3656, 0.2694

Sweetspot

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



37.7342, 0.3638, 0.4577



73.7750, 0.3292, 0.3668



20.2633, 0.4341, 0.3595



16.3141, 0.3314, 0.3722



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.



37.7342, 0.3638, 0.4577



67.1403, 0.3717, 0.4836



34.2900, 0.3237, 0.4762



9.2313, 0.3227, 0.3517



25.5418, 0.3779, 0.5382



0.7338, 0.3911, 0.5276

Inverse Universe

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



13.0584, 0.2395, 0.1815



17.2480, 0.2196, 0.1465



16.4305, 0.2893, 0.2000



7.8471, 0.3022, 0.3058



2.5976, 0.1649, 0.0682



0.0974, 0.1968, 0.0858

Previews

White Background



This preview shows how the Yxy color 37.7325, 0.3638, 0.4577 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 37.7325, 0.3638, 0.4577 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 37.7325, 0.3638, 0.4577

Background



This preview shows how black text looks on a background with the Yxy color 37.7325, 0.3638, 0.4577.



This preview shows how white text looks on a background with the Yxy color 37.7325, 0.3638, 0.4577.

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

37.7325, 0.3638, 0.4577

Protanopia

37.4954, 0.4010, 0.4377

Deuteranopia

37.4258, 0.4217, 0.4120



Tritanopia

37.6178, 0.3017, 0.3107

Trichromacy



Original Color

37.7325, 0.3638, 0.4577

Protanomaly

37.3191, 0.3869, 0.4451

Deuteranomaly

37.1229, 0.3997, 0.4275

Tritanomaly

37.4925, 0.3259, 0.3644

Monochromacy



Original Color

37.7325, 0.3638, 0.4577

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.2848, 0.3334, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7325, 0.3638, 0.4577 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(153, 174, 87)` looks like.

```
.text, #text, p{  
    color:rgb(153, 174, 87)  
}
```

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(153, 174, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 174, 87) }
```

Border

The CSS property to change the border of an element to Yxy 37.7325, 0.3638, 0.4577 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(153, 174, 87) }
```

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

```
.border{ border-color:rgb(153, 174, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 174, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 174, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 174, 87);  
box-shadow:4px 4px 4px 4px rgb(153, 174,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7325, 0.3638, 0.4577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 174, 87) }
```

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

```
.background{ background-color: rgb(153,  
174, 87) }
```

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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