

Converting Colors

$Y_{xy}(37.8803, 0.3962, 0.4744)$

Have a look what the booklet for
Yxy(37.8803, 0.3962, 0.4744)
contains.

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Color

Yxy(37.8095, 0.3963, 0.4741)

Conversions

Conversions Part 1

Format	Color
Hex	A8AB3F
RGB	168, 171, 63
RGB Percent	66%, 67%, 25%
CMY	0.3413, 0.3294, 0.7529
CMYK	0.02, 0.00, 0.63, 0.33
HSL	62°, 46%, 46%
HSV	62°, 63%, 67%
XYZ	31.6049, 37.8095, 10.3356
YIQ	157.7910, 32.8800, -34.2240

Conversions

Conversions Part 2

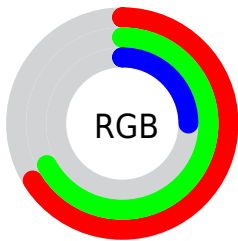
Format	Color
RYB	63, 171, 66
Decimal	11053887
CIELab	67.88, -15.15, 53.39
CIELCh	68, 55.496, 105.846
Yxy	37.8095, 0.3963, 0.4741
Android (android.graphics.Color)	4289243967 (0xFFA8AB3F)
YUV	157.7910, -46.7320, 8.9533
Hunter-Lab	61.4894, -15.8593, 33.0767

Details

The Yxy color **37.8095, 0.3963, 0.4741** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.6564, 0.1947, 0.1310**, and the grayscale version is **34.2967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6612, 0.3833, 0.4474**, and **16.7044, 0.4109, 0.5120** is the 20% darker color. If you saturate the color by 10%, you get **37.5962, 0.4045, 0.4890**, and if you desaturate by 10%, it is **38.0859, 0.3859, 0.4555**.

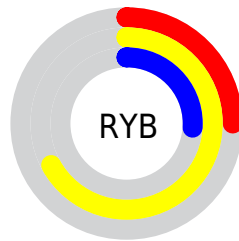
Distribution



Red (66%)

Green (67%)

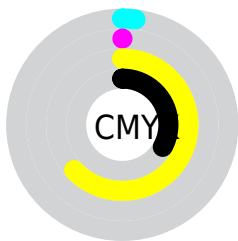
Blue (25%)



Red (25%)

Yellow (67%)

Blue (26%)

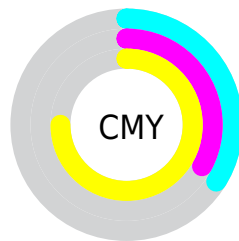


Cyan (2%)

Magenta (0%)

Yellow (63%)

Black (33%)



Cyan (34%)


Magenta (33%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8095, 0.3963, 0.4741 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 37.8095, 0.3963, 0.4741 by changing the saturation by 10% instead.


 37.8095, 0.3963,
0.4741


 37.8095, 0.3963,
0.4741


336.8021, 0.3578,
0.4002


 25.8349, 0.4036,
0.4915


 71.8161, 0.3837,
0.4477


 16.7001, 0.4111,
0.5126


 94.6168, 0.3785,
0.4376


 10.0209, 0.4175,
0.5378


 121.7950, 0.3740,
0.4290

 5.4128, 0.4252,
0.5748

 153.7351, 0.3699,
0.4216

 2.4915, 0.4063,
0.5937

 190.8214, 0.3664,
0.4151

 0.8724, 0.3449,
0.6551

233.4384, 0.3632,

 0.0000, 0.0000,

0.4095

0.0000

281.9705, 0.3603,
0.4046

■ 37.8095, 0.3963,
0.4741

■ 37.8095, 0.3963,
0.4741

■ 37.5962, 0.4045,
0.4890

■ 38.0859, 0.3859,
0.4555

■ 37.4349, 0.4101,
0.4997

■ 38.4251, 0.3736,
0.4340

■ 37.3207, 0.4133,
0.5062

■ 38.8334, 0.3601,
0.4104

■ 37.2593, 0.4145,
0.5091

■ 39.3147, 0.3458,
0.3858

■ 39.8729, 0.3314,
0.3609

■ 40.5113, 0.3171,
0.3365

■ 41.2333, 0.3034,
0.3131

■ 42.0421, 0.2904,
0.2911

■ 42.9404, 0.2783,
0.2707

Harmonies

Analogous

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



37.8095, 0.4554, 0.4290



37.8095, 0.3963, 0.4741



37.8095, 0.3192, 0.4766

Triad

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



37.8095, 0.3963, 0.4741



37.8095, 0.1720, 0.2541



37.8095, 0.3728, 0.2587

Complementary

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



37.8095, 0.3963, 0.4741



7.6564, 0.1947, 0.1310

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.



37.8095, 0.2879, 0.2214



37.8095, 0.3963, 0.4741



37.8095, 0.1818, 0.2146

Square

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



37.8095, 0.3963, 0.4741



37.8095, 0.1925, 0.3271



37.8095, 0.2208, 0.2054



37.8095, 0.4465, 0.3108

Rectangle

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



37.8095, 0.3963, 0.4741



37.8095, 0.2678, 0.4431



37.8095, 0.2208, 0.2054



37.8095, 0.3439, 0.2442

Sweetspot

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



37.8112, 0.3963, 0.4741



70.7656, 0.3403, 0.3763



12.7768, 0.5086, 0.3320



15.7212, 0.3444, 0.3832



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.



37.8112, 0.3963, 0.4741



67.1910, 0.4071, 0.4940



33.1481, 0.3438, 0.5051



9.3186, 0.3259, 0.3514



28.0879, 0.4145, 0.5091



0.7849, 0.4161, 0.5078

Inverse Universe

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



7.6564, 0.1947, 0.1310



8.7334, 0.1709, 0.0922



10.4052, 0.2503, 0.1558



7.7676, 0.2990, 0.3056



2.2438, 0.1511, 0.0606



0.0658, 0.1560, 0.0633

Previews

White Background



This preview shows how the Yxy color 37.8095, 0.3963, 0.4741 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 37.8095, 0.3963, 0.4741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

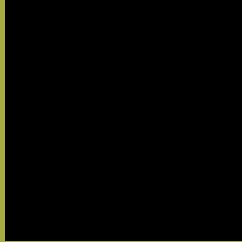
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8095, 0.3963, 0.4741

Background



This preview shows how black text looks on a background with the Yxy color 37.8095, 0.3963, 0.4741.



This preview shows how white text looks on a background with the Yxy color 37.8095, 0.3963, 0.4741.

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

37.8095, 0.3963, 0.4741

Protanopia

37.9236, 0.4189, 0.4606

Deuteranopia

37.4983, 0.4433, 0.4346



Tritanopia

37.6237, 0.3183, 0.3113

Trichromacy



Original Color

37.8095, 0.3963, 0.4741

Protanomaly

37.9368, 0.4105, 0.4654

Deuteranomaly

37.4405, 0.4264, 0.4479

Tritanomaly

37.2430, 0.3505, 0.3734

Monochromacy



Original Color

37.8095, 0.3963, 0.4741

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.3058, 0.3478, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8095, 0.3963, 0.4741 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(168, 171, 63)` looks like.

```
.text, #text, p{  
    color:rgb(168, 171, 63)  
}
```

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(168, 171, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 171, 63) }
```

Border

The CSS property to change the border of an element to Yxy 37.8095, 0.3963, 0.4741 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(168, 171, 63) }
```

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

```
.border{ border-color:rgb(168, 171, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 171, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 171, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 171, 63);  
box-shadow:4px 4px 4px 4px rgb(168, 171,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8095, 0.3963, 0.4741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 171, 63) }
```

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

```
.background{ background-color: rgb(168,  
171, 63) }
```

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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