

Converting Colors

$Y_{xy}(37.7910, 0.3773, 0.4700)$

Have a look what the booklet for
Yxy(37.7910, 0.3773, 0.4700)
contains.

Yxy(37.6642, 0.3775, 0.4690)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.6642, 0.3775, 0.4690)

Conversions

Conversions Part 1

Format	Color
Hex	9EAD4B
RGB	158, 173, 75
RGB Percent	62%, 68%, 29%
CMY	0.3803, 0.3216, 0.7059
CMYK	0.09, 0.00, 0.57, 0.32
HSL	69°, 40%, 49%
HSV	69°, 57%, 68%
XYZ	30.3161, 37.6642, 12.3272
YIQ	157.3430, 22.5180, -33.6580

Conversions

Conversions Part 2

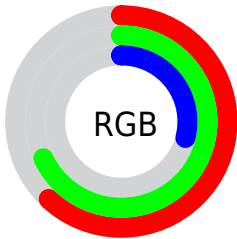
Format	Color
RYB	75, 173, 90
Decimal	10399051
CIELab	67.77, -19.46, 47.68
CIELCh	68, 51.502, 112.206
Yxy	37.6642, 0.3775, 0.4690
Android (android.graphics.Color)	4288589131 (0xFF9EAD4B)
YUV	157.3430, -40.5951, 0.5762
Hunter-Lab	61.3712, -19.2243, 31.0506

Details

The Yxy color **37.6642, 0.3775, 0.4690** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.2212, 0.2187, 0.1566**, and the grayscale version is **34.0600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3153, 0.3676, 0.4420**, and **16.6757, 0.3884, 0.5103** is the 20% darker color. If you saturate the color by 10%, you get **37.1949, 0.3850, 0.4889**, and if you desaturate by 10%, it is **38.2071, 0.3681, 0.4462**.

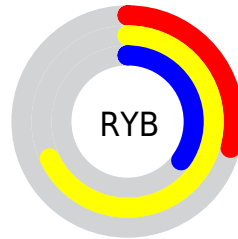
Distribution



Red (62%)

Green (68%)

Blue (29%)



Red (29%)

Yellow (68%)

Blue (35%)

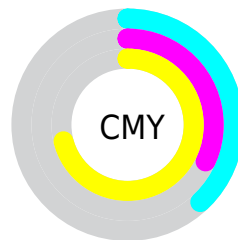


Cyan (9%)

Magenta (0%)

Yellow (57%)

Black (32%)



Cyan (38%)


Magenta (32%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6642, 0.3775, 0.4690 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 37.6642, 0.3775, 0.4690 by changing the saturation by 10% instead.


 37.6642, 0.3775,
0.4690


 37.6642, 0.3775,
0.4690


336.1773, 0.3478,
0.3959

 25.7222, 0.3832,
0.4872


 71.5932, 0.3678,
0.4422

 16.6159, 0.3890,
0.5101


 94.3489, 0.3638,
0.4322

 9.9610, 0.3938,
0.5390


 121.4779, 0.3602,
0.4237

 5.3731, 0.4061,
0.5923

 153.3647, 0.3571,
0.4165

 2.4678, 0.3819,
0.6181

 190.3937, 0.3544,
0.4103

 0.8605, 0.2848,
0.7152

232.9491, 0.3519,

 0.0000, 0.0000,

0.4049

0.0000

281.4156, 0.3497,
0.4001

■ 37.6642, 0.3775,
0.4690

■ 37.6642, 0.3775,
0.4690

■ 37.1949, 0.3850,
0.4889

■ 38.2071, 0.3681,
0.4462

■ 36.7888, 0.3901,
0.5050

■ 38.8232, 0.3572,
0.4214

■ 36.4411, 0.3927,
0.5167

■ 39.5186, 0.3453,
0.3958

■ 36.1433, 0.3929,
0.5242

■ 40.2974, 0.3331,
0.3701

■ 36.0487, 0.3927,
0.5264

■ 41.1631, 0.3208,
0.3450

■ 42.1194, 0.3087,
0.3212

■ 43.1695, 0.2973,
0.2988

■ 44.3164, 0.2864,
0.2782

■ 45.5632, 0.2764,
0.2593

Harmonies

Analogous

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



37.6642, 0.4375, 0.4346



37.6642, 0.3775, 0.4690



37.6642, 0.3041, 0.4580

Triad

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



37.6642, 0.3775, 0.4690



37.6642, 0.1799, 0.2490



37.6642, 0.3853, 0.2727

Complementary

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



37.6642, 0.3775, 0.4690



10.2212, 0.2187, 0.1566

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.



37.6642, 0.3060, 0.2337



37.6642, 0.3775, 0.4690



37.6642, 0.1951, 0.2176

Square

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



37.6642, 0.3775, 0.4690



37.6642, 0.1935, 0.3113



37.6642, 0.2380, 0.2139



37.6642, 0.4471, 0.3242

Rectangle

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



37.6642, 0.3775, 0.4690



37.6642, 0.2573, 0.4195



37.6642, 0.2380, 0.2139



37.6642, 0.3592, 0.2579

Sweetspot

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



37.6659, 0.3775, 0.4690



72.0755, 0.3339, 0.3717



16.6533, 0.4661, 0.3507



15.6032, 0.3362, 0.3766



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.



37.6659, 0.3775, 0.4690



66.4188, 0.3865, 0.4934



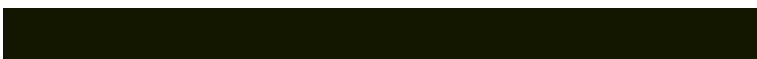
33.6654, 0.3308, 0.4937



9.2673, 0.3240, 0.3516



26.5029, 0.3930, 0.5261



0.7537, 0.4015, 0.5194

Inverse Universe

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



10.2212, 0.2187, 0.1566



12.4539, 0.1955, 0.1185



13.5116, 0.2746, 0.1796



7.8138, 0.3008, 0.3057



2.3988, 0.1572, 0.0640



0.0843, 0.1807, 0.0769

Previews

White Background



This preview shows how the Yxy color 37.6642, 0.3775, 0.4690 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 37.6642, 0.3775, 0.4690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

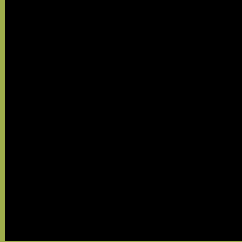
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6642, 0.3775, 0.4690

Background



This preview shows how black text looks on a background with the Yxy color 37.6642, 0.3775, 0.4690.



This preview shows how white text looks on a background with the Yxy color 37.6642, 0.3775, 0.4690.

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

37.6642, 0.3775, 0.4690

Protanopia

37.4586, 0.4100, 0.4493

Deuteranopia

37.3750, 0.4325, 0.4244



Tritanopia

37.3708, 0.3080, 0.3109

Trichromacy



Original Color

37.6642, 0.3775, 0.4690

Protanomaly

37.4983, 0.3978, 0.4563

Deuteranomaly

37.3092, 0.4121, 0.4398

Tritanomaly

37.1358, 0.3356, 0.3686

Monochromacy



Original Color

37.6642, 0.3775, 0.4690

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.8948, 0.3391, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6642, 0.3775, 0.4690 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(158, 173, 75)` looks like.

```
.text, #text, p{  
    color:rgb(158, 173, 75)  
}
```

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(158, 173, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 173, 75) }
```

Border

The CSS property to change the border of an element to Yxy 37.6642, 0.3775, 0.4690 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(158, 173, 75) }
```

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

```
.border{ border-color:rgb(158, 173, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 173, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 173, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 173, 75);  
box-shadow:4px 4px 4px 4px rgb(158, 173,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6642, 0.3775, 0.4690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 173, 75) }
```

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

```
.background{ background-color: rgb(158,  
173, 75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor