

Converting Colors

$Y_{xy}(37.5958, 0.3750, 0.4731)$

Have a look what the booklet for
Yxy(37.5958, 0.3750, 0.4731)
contains.

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Color

Yxy(37.7217, 0.3751, 0.4740)

Conversions

Conversions Part 1

Format	Color
Hex	9BAE49
RGB	155, 174, 73
RGB Percent	61%, 68%, 29%
CMY	0.3923, 0.3176, 0.7138
CMYK	0.11, 0.00, 0.58, 0.32
HSL	71°, 41%, 48%
HSV	71°, 58%, 68%
XYZ	29.8511, 37.7217, 12.0089
YIQ	156.8050, 21.0970, -35.4390

Conversions

Conversions Part 2

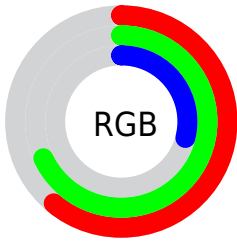
Format	Color
RYB	73, 174, 92
Decimal	10202697
CIELab	67.81, -21.40, 48.60
CIELCh	68, 53.100, 113.770
Yxy	37.7217, 0.3751, 0.4740
Android (android.graphics.Color)	4288392777 (0xFF9BAE49)
YUV	156.8050, -41.3159, -1.5830
Hunter-Lab	61.4180, -20.7249, 31.3998

Details

The Yxy color **37.7217, 0.3751, 0.4740** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.0976, 0.2195, 0.1535**, and the grayscale version is **33.8048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3682, 0.3661, 0.4459**, and **16.7328, 0.3845, 0.5170** is the 20% darker color. If you saturate the color by 10%, you get **37.2039, 0.3816, 0.4941**, and if you desaturate by 10%, it is **38.3163, 0.3666, 0.4509**.

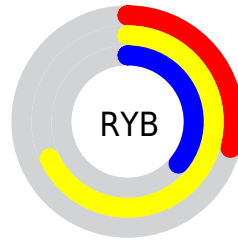
Distribution



Red (61%)

Green (68%)

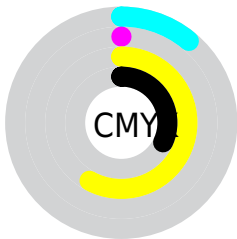
Blue (29%)



Red (29%)

Yellow (68%)

Blue (36%)

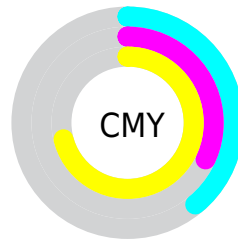


Cyan (11%)

Magenta (0%)

Yellow (58%)

Black (32%)



Cyan (39%)


Magenta (32%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7217, 0.3751, 0.4740 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 37.7217, 0.3751, 0.4740 by changing the saturation by 10% instead.


 37.7217, 0.3751,
0.4740


 37.7217, 0.3751,
0.4740


336.4246, 0.3469,
0.3981

 25.7668, 0.3802,
0.4930


 71.6814, 0.3661,
0.4461


 16.6492, 0.3852,
0.5168


 94.4549, 0.3623,
0.4357


 9.9847, 0.3888,
0.5469


 121.6034, 0.3589,
0.4269

 5.3888, 0.3985,
0.6015

 153.5113, 0.3559,
0.4194

 2.4772, 0.3712,
0.6288

 190.5630, 0.3533,
0.4130

 0.8652, 0.2574,
0.7426

233.1428, 0.3509,

 0.0000, 0.0000,

0.4074

0.0000

281.6353, 0.3488,
0.4025

■ 37.7217, 0.3751,
0.4740

■ 37.7217, 0.3751,
0.4740

■ 37.2039, 0.3816,
0.4941

■ 38.3163, 0.3666,
0.4509

■ 36.7521, 0.3857,
0.5104

■ 38.9876, 0.3565,
0.4258

■ 36.3616, 0.3874,
0.5222

■ 39.7418, 0.3454,
0.3998

■ 36.0215, 0.3867,
0.5299

■ 40.5829, 0.3337,
0.3738

■ 35.9579, 0.3865,
0.5313

■ 41.5149, 0.3220,
0.3485

■ 42.5412, 0.3105,
0.3244

■ 43.6654, 0.2995,
0.3019

■ 44.8905, 0.2890,
0.2811

■ 46.2197, 0.2793,
0.2621

Harmonies

Analogous

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



37.7217, 0.4381, 0.4395



37.7217, 0.3751, 0.4740



37.7217, 0.2995, 0.4601

Triad

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



37.7217, 0.3751, 0.4740



37.7217, 0.1767, 0.2441



37.7217, 0.3915, 0.2736

Complementary

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



37.7217, 0.3751, 0.4740



10.0976, 0.2195, 0.1535

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.



37.7217, 0.3098, 0.2329



37.7217, 0.3751, 0.4740



37.7217, 0.1937, 0.2138

Square

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



37.7217, 0.3751, 0.4740



37.7217, 0.1888, 0.3064



37.7217, 0.2389, 0.2115



37.7217, 0.4534, 0.3267

Rectangle

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



37.7217, 0.3751, 0.4740



37.7217, 0.2521, 0.4186



37.7217, 0.2389, 0.2115



37.7217, 0.3647, 0.2582

Sweetspot

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



37.7234, 0.3751, 0.4740



73.7227, 0.3329, 0.3719



17.0510, 0.4685, 0.3559



16.3159, 0.3352, 0.3769



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.



37.7234, 0.3751, 0.4740



67.1991, 0.3832, 0.4998



33.7603, 0.3280, 0.4996



9.2528, 0.3235, 0.3516



26.1002, 0.3869, 0.5310



0.7455, 0.3973, 0.5227

Inverse Universe

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



10.0976, 0.2195, 0.1535



12.2866, 0.1957, 0.1147



13.5732, 0.2776, 0.1779



7.8272, 0.3014, 0.3058



2.4686, 0.1599, 0.0655



0.0896, 0.1873, 0.0805

Previews

White Background



This preview shows how the Yxy color 37.7217, 0.3751, 0.4740 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 37.7217, 0.3751, 0.4740 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 37.7217, 0.3751, 0.4740

Background



This preview shows how black text looks on a background with the Yxy color 37.7217, 0.3751, 0.4740.



This preview shows how white text looks on a background with the Yxy color 37.7217, 0.3751, 0.4740.

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

37.7217, 0.3751, 0.4740

Protanopia

37.4197, 0.4121, 0.4523

Deuteranopia

37.5014, 0.4343, 0.4249



Tritanopia

37.4360, 0.3043, 0.3108

Trichromacy



Original Color

37.7217, 0.3751, 0.4740

Protanomaly

37.3444, 0.3988, 0.4600

Deuteranomaly

37.1553, 0.4126, 0.4424

Tritanomaly

37.1829, 0.3324, 0.3703

Monochromacy



Original Color

37.7217, 0.3751, 0.4740

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.7687, 0.3390, 0.3855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7217, 0.3751, 0.4740 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(155, 174, 73)` looks like.

```
.text, #text, p{  
    color:rgb(155, 174, 73)  
}
```

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(155, 174, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 174, 73) }
```

Border

The CSS property to change the border of an element to Yxy 37.7217, 0.3751, 0.4740 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(155, 174, 73) }
```

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

```
.border{ border-color:rgb(155, 174, 73) }
```

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

Here you see how a box with a 4 pixel rgb(155, 174, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 174, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 174, 73);  
box-shadow:4px 4px 4px 4px rgb(155, 174,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7217, 0.3751, 0.4740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 174, 73) }
```

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

```
.background{ background-color: rgb(155,  
174, 73) }
```

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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