

Converting Colors

$Y_{xy}(38.1374, 0.3717, 0.4752)$

Have a look what the booklet for
Yxy(38.1374, 0.3717, 0.4752)
contains.

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Color

Yxy(38.3174, 0.3713, 0.4759)

Conversions

Conversions Part 1

Format	Color
Hex	99B04A
RGB	153, 176, 74
RGB Percent	60%, 69%, 29%
CMY	0.4001, 0.3098, 0.7097
CMYK	0.13, 0.00, 0.58, 0.31
HSL	74°, 41%, 49%
HSV	74°, 58%, 69%
XYZ	29.8955, 38.3174, 12.3028
YIQ	157.4950, 19.0340, -36.5980

Conversions

Conversions Part 2

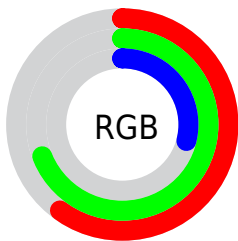
Format	Color
RYB	74, 176, 97
Decimal	10072138
CIELab	68.25, -23.13, 48.58
CIELCh	68, 53.800, 115.459
Yxy	38.3174, 0.3713, 0.4759
Android (android.graphics.Color)	4288262218 (0xFF99B04A)
YUV	157.4950, -41.1630, -3.9421
Hunter-Lab	61.9011, -22.1193, 31.5469

Details

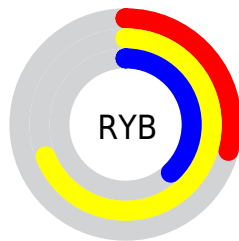
The Yxy color **38.3174, 0.3713, 0.4759** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.5805, 0.2235, 0.1553**, and the grayscale version is **34.1348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7749, 0.3629, 0.4482**, and **16.8691, 0.3803, 0.5192** is the 20% darker color. If you saturate the color by 10%, you get **37.7337, 0.3772, 0.4968**, and if you desaturate by 10%, it is **38.9838, 0.3634, 0.4521**.

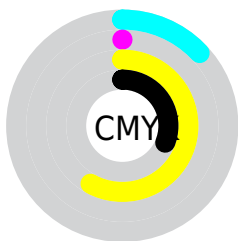
Distribution



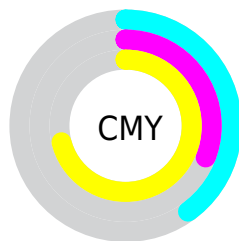
- Red (60%)
- Green (69%)
- Blue (29%)



- Red (29%)
- Yellow (69%)
- Blue (38%)



- Cyan (13%)
- Magenta (0%)
- Yellow (58%)
- Black (31%)





- Cyan (40%)
- Magenta (31%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3174, 0.3713, 0.4759 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 38.3174, 0.3713, 0.4759 by changing the saturation by 10% instead.


 38.3174, 0.3713,
0.4759


 38.3174, 0.3713,
0.4759


338.9796, 0.3452,
0.3989


 26.2291, 0.3759,
0.4953


 72.5944, 0.3630,
0.4476

 16.9951, 0.3802,
0.5196


 95.5519, 0.3595,
0.4370


 10.2310, 0.3829,
0.5505


 122.9012, 0.3564,
0.4281

 5.5524, 0.3917,
0.6073

 155.0268, 0.3536,
0.4205

 2.5749, 0.3631,
0.6369

 192.3130, 0.3512,
0.4140

 0.9141, 0.2495,
0.7505

235.1443, 0.3490,

 0.0000, 0.0000,

0.4083

0.0000

283.9050, 0.3470,
0.4033

■ 38.3174, 0.3713,
0.4759

■ 38.3174, 0.3713,
0.4759

■ 37.7337, 0.3772,
0.4968

■ 38.9838, 0.3634,
0.4521

■ 37.2218, 0.3807,
0.5139

■ 39.7329, 0.3540,
0.4264

■ 36.7765, 0.3817,
0.5265

■ 40.5710, 0.3435,
0.4000

■ 36.3870, 0.3804,
0.5349

■ 41.5026, 0.3325,
0.3737

■ 36.3102, 0.3800,
0.5365

■ 42.5315, 0.3214,
0.3483

■ 43.6616, 0.3105,
0.3242

■ 44.8962, 0.3000,
0.3017

■ 46.2388, 0.2900,
0.2810

■ 47.6926, 0.2807,
0.2621

Harmonies

Analogous

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



38.3174, 0.4360, 0.4429



38.3174, 0.3713, 0.4759



38.3174, 0.2951, 0.4587

Triad

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



38.3174, 0.3713, 0.4759



38.3174, 0.1760, 0.2409



38.3174, 0.3964, 0.2759

Complementary

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



38.3174, 0.3713, 0.4759



10.5805, 0.2235, 0.1553

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.



38.3174, 0.3143, 0.2341



38.3174, 0.3713, 0.4759



38.3174, 0.1947, 0.2122

Square

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



38.3174, 0.3713, 0.4759



38.3174, 0.1864, 0.3018



38.3174, 0.2418, 0.2114



38.3174, 0.4568, 0.3298

Rectangle

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



38.3174, 0.3713, 0.4759



38.3174, 0.2479, 0.4150



38.3174, 0.2418, 0.2114



38.3174, 0.3698, 0.2602

Sweetspot

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



38.3191, 0.3713, 0.4759



75.3779, 0.3318, 0.3720



18.1139, 0.4649, 0.3608



16.2610, 0.3340, 0.3771



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.



38.3191, 0.3713, 0.4759



68.1094, 0.3786, 0.5029



34.4281, 0.3252, 0.5009



9.8080, 0.3230, 0.3517



26.6652, 0.3805, 0.5361



0.8628, 0.3919, 0.5270

Inverse Universe

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



10.5805, 0.2235, 0.1553



12.9343, 0.1999, 0.1166



14.2494, 0.2819, 0.1798



8.3197, 0.3019, 0.3057



2.6495, 0.1632, 0.0673



0.1095, 0.1919, 0.0831

Previews

White Background



This preview shows how the Yxy color 38.3174, 0.3713, 0.4759 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 38.3174, 0.3713, 0.4759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

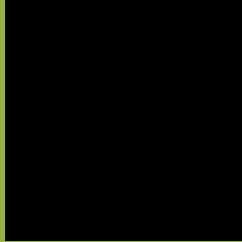
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3174, 0.3713, 0.4759

Background



This preview shows how black text looks on a background with the Yxy color 38.3174, 0.3713, 0.4759.



This preview shows how white text looks on a background with the Yxy color 38.3174, 0.3713, 0.4759.

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

38.3174, 0.3713, 0.4759

Protanopia

38.0417, 0.4126, 0.4513

Deuteranopia

37.9974, 0.4337, 0.4246



Tritanopia

38.1240, 0.3017, 0.3108

Trichromacy



Original Color

38.3174, 0.3713, 0.4759

Protanomaly

38.1016, 0.3966, 0.4611

Deuteranomaly

37.8852, 0.4103, 0.4435

Tritanomaly

37.8465, 0.3302, 0.3717

Monochromacy



Original Color

38.3174, 0.3713, 0.4759

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.1511, 0.3379, 0.3854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3174, 0.3713, 0.4759 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, 176, 74)` looks like.

```
.text, #text, p{  
    color:rgb(153, 176, 74)  
}
```

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, 176, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 176, 74) }
```

Border

The CSS property to change the border of an element to Yxy 38.3174, 0.3713, 0.4759 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, 176, 74) }
```

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

```
.border{ border-color:rgb(153, 176, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 176, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 176, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 176, 74);  
box-shadow:4px 4px 4px 4px rgb(153, 176,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3174, 0.3713, 0.4759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 176, 74) }
```

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

```
.background{ background-color: rgb(153,  
176, 74) }
```

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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