

Converting Colors

$Y_{xy}(39.7642, 0.3913, 0.4724)$

Have a look what the booklet for
Yxy(39.7642, 0.3913, 0.4724)
contains.

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Color

Yxy(39.9030, 0.3908, 0.4735)

Conversions

Conversions Part 1

Format	Color
Hex	A9B044
RGB	169, 176, 68
RGB Percent	66%, 69%, 27%
CMY	0.3372, 0.3098, 0.7333
CMYK	0.04, 0.00, 0.61, 0.31
HSL	64°, 44%, 48%
HSV	64°, 61%, 69%
XYZ	32.9337, 39.9030, 11.4358
YIQ	161.5950, 30.4960, -35.0720

Conversions

Conversions Part 2

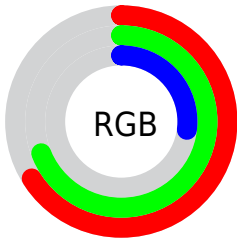
Format	Color
RYB	68, 176, 75
Decimal	11120708
CIELab	69.40, -16.92, 52.88
CIELCh	69, 55.520, 107.742
Yxy	39.9030, 0.3908, 0.4735
Android (android.graphics.Color)	4289310788 (0xFFA9B044)
YUV	161.5950, -46.1423, 6.4942
Hunter-Lab	63.1688, -17.4828, 33.4846

Details

The Yxy color **39.9030, 0.3908, 0.4735** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.7652, 0.2011, 0.1377**, and the grayscale version is **36.1433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7011, 0.3790, 0.4466**, and **18.0081, 0.4039, 0.5127** is the 20% darker color. If you saturate the color by 10%, you get **39.5959, 0.3987, 0.4898**, and if you desaturate by 10%, it is **40.2794, 0.3807, 0.4536**.

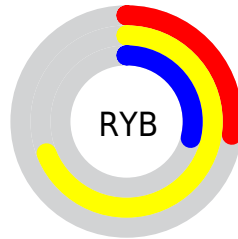
Distribution



Red (66%)

Green (69%)

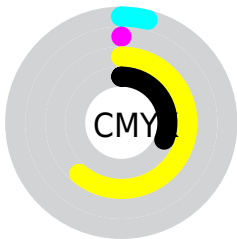
Blue (27%)



Red (27%)

Yellow (69%)

Blue (29%)

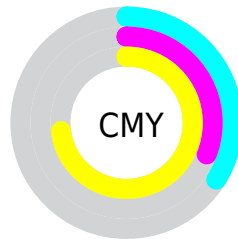


Cyan (4%)

Magenta (0%)

Yellow (61%)

Black (31%)



Cyan (34%)


Magenta (31%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9030, 0.3908, 0.4735 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 39.9030, 0.3908, 0.4735 by changing the saturation by 10% instead.


 39.9030, 0.3908,
0.4735


 39.9030, 0.3908,
0.4735


345.7146, 0.3553,
0.4000

 27.4629, 0.3975,
0.4909


 75.0158, 0.3793,
0.4472


 17.9212, 0.4043,
0.5122


 98.4573, 0.3745,
0.4371

 10.8934, 0.4101,
0.5378


 126.3347, 0.3703,
0.4286

 5.9952, 0.4202,
0.5798

 159.0324, 0.3665,
0.4212

 2.8422, 0.4005,
0.5995

 196.9349, 0.3632,
0.4149

 1.0499, 0.3543,
0.6457

240.4265, 0.3603,

 0.0000, 0.0000,

0.4093

0.0000

289.8916, 0.3576,
0.4044

■ 39.9030, 0.3908,
0.4735

■ 39.9030, 0.3908,
0.4735

■ 39.5959, 0.3987,
0.4898

■ 40.2794, 0.3807,
0.4536

■ 39.3465, 0.4042,
0.5020

■ 40.7248, 0.3688,
0.4311

■ 39.1497, 0.4071,
0.5099

■ 41.2458, 0.3557,
0.4067

■ 39.0091, 0.4081,
0.5142

■ 41.8466, 0.3420,
0.3816

■ 42.5312, 0.3282,
0.3566

■ 43.3033, 0.3145,
0.3322

■ 44.1664, 0.3014,
0.3090

■ 45.1238, 0.2891,
0.2873

■ 46.1785, 0.2776,
0.2673

Harmonies

Analogous

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



39.9030, 0.4505, 0.4312



39.9030, 0.3908, 0.4735



39.9030, 0.3144, 0.4719

Triad

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



39.9030, 0.3908, 0.4735



39.9030, 0.1738, 0.2520



39.9030, 0.3771, 0.2626

Complementary

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



39.9030, 0.3908, 0.4735



8.7652, 0.2011, 0.1377

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.



39.9030, 0.2934, 0.2247



39.9030, 0.3908, 0.4735



39.9030, 0.1853, 0.2149

Square

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



39.9030, 0.3908, 0.4735



39.9030, 0.1922, 0.3220



39.9030, 0.2256, 0.2074



39.9030, 0.4476, 0.3148

Rectangle

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



39.9030, 0.3908, 0.4735



39.9030, 0.2642, 0.4365



39.9030, 0.2256, 0.2074



39.9030, 0.3489, 0.2480

Sweetspot

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



39.9048, 0.3908, 0.4735



76.2578, 0.3378, 0.3740



14.4663, 0.4971, 0.3367



16.4528, 0.3418, 0.3812



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.



39.9048, 0.3908, 0.4735



71.6239, 0.4012, 0.4951



35.2225, 0.3403, 0.5026



9.8781, 0.3254, 0.3516



28.6316, 0.4082, 0.5141



0.9092, 0.4115, 0.5114

Inverse Universe

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



8.7652, 0.2011, 0.1377



10.2088, 0.1766, 0.0981



11.8128, 0.2568, 0.1620



8.2555, 0.2995, 0.3055



2.3638, 0.1525, 0.0614



0.0830, 0.1628, 0.0670

Previews

White Background



This preview shows how the Yxy color 39.9030, 0.3908, 0.4735 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 39.9030, 0.3908, 0.4735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

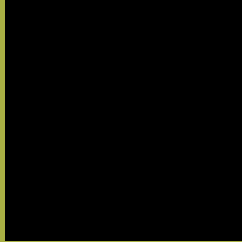
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9030, 0.3908, 0.4735

Background



This preview shows how black text looks on a background with the Yxy color 39.9030, 0.3908, 0.4735.



This preview shows how white text looks on a background with the Yxy color 39.9030, 0.3908, 0.4735.

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

39.9030, 0.3908, 0.4735

Protanopia

39.9616, 0.4165, 0.4580

Deuteranopia

39.6724, 0.4404, 0.4311



Tritanopia

39.8279, 0.3154, 0.3116

Trichromacy



Original Color

39.9030, 0.3908, 0.4735

Protanomaly

39.8554, 0.4073, 0.4631

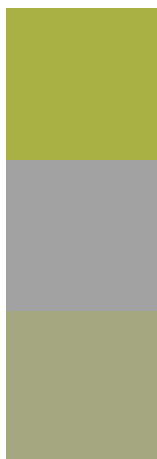
Deuteranomaly

39.3295, 0.4227, 0.4459

Tritanomaly

39.4410, 0.3465, 0.3726

Monochromacy



Original Color

39.9030, 0.3908, 0.4735

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.1953, 0.3452, 0.3863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9030, 0.3908, 0.4735 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(169, 176, 68)` looks like.

```
.text, #text, p{  
    color:rgb(169, 176, 68)  
}
```

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(169, 176, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 176, 68) }
```

Border

The CSS property to change the border of an element to Yxy 39.9030, 0.3908, 0.4735 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(169, 176, 68) }
```

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

```
.border{ border-color:rgb(169, 176, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 176, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 176, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 176, 68);  
box-shadow:4px 4px 4px 4px rgb(169, 176,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9030, 0.3908, 0.4735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 176, 68) }
```

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

```
.background{ background-color: rgb(169,  
176, 68) }
```

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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