

Converting Colors

$Yxy(39.6524, 0.3405, 0.4412)$

Have a look what the booklet for
Yxy(39.6524, 0.3405, 0.4412)
contains.

Yxy(39.7029, 0.3400, 0.4412)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.7029, 0.3400, 0.4412)

Conversions

Conversions Part 1

Format	Color
Hex	91B46A
RGB	145, 180, 106
RGB Percent	57%, 71%, 42%
CMY	0.4315, 0.2941, 0.5843
CMYK	0.19, 0.00, 0.41, 0.29
HSL	88°, 33%, 56%
HSV	88°, 41%, 71%
XYZ	30.5961, 39.7029, 19.6895
YIQ	161.0990, 2.8940, -30.4340

Conversions

Conversions Part 2

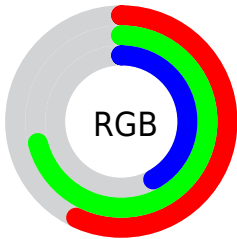
Format	Color
R_{YB}	106, 180, 141
Decimal	9548906
CIE _{Lab}	69.26, -24.82, 33.90
CIE _{LCh}	69, 42.011, 126.208
Yxy	39.7029, 0.3400, 0.4412
Android (android.graphics.Color)	4287738986 (0xFF91B46A)
YUV	161.0990, -27.1638, -14.1188
Hunter-Lab	63.0102, -23.5931, 25.5802

Details

The Yxy color **39.7029, 0.3400, 0.4412** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **19.2741, 0.2732, 0.2159**, and the grayscale version is **35.8153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7389, 0.3364, 0.4191**, and **17.8013, 0.3445, 0.4776** is the 20% darker color. If you saturate the color by 10%, you get **38.6231, 0.3447, 0.4703**, and if you desaturate by 10%, it is **40.9229, 0.3341, 0.4120**.

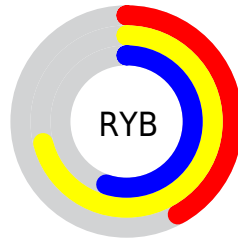
Distribution



Red (57%)

Green (71%)

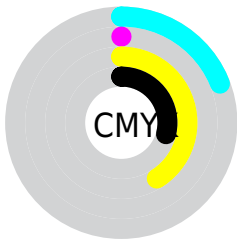
Blue (42%)



Red (42%)

Yellow (71%)

Blue (55%)

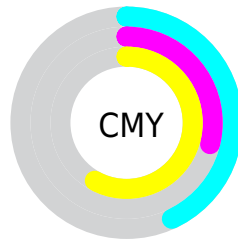


Cyan (19%)

Magenta (0%)

Yellow (41%)

Black (29%)



Cyan (43%)


Magenta (29%)


Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.7029, 0.3400, 0.4412 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 39.7029, 0.3400, 0.4412 by changing the saturation by 10% instead.


 39.7029, 0.3400,
0.4412


 39.7029, 0.3400,
0.4412


344.8697, 0.3280,
0.3814


 27.3070, 0.3422,
0.4571


 74.7109, 0.3362,
0.4187

 17.8039, 0.3444,
0.4780


 98.0917, 0.3345,
0.4105

 10.8093, 0.3461,
0.5065


 125.9030, 0.3331,
0.4036

 5.9387, 0.3455,
0.5468

 158.5291, 0.3318,
0.3978

 2.8079, 0.3576,
0.6424

196.3545, 0.3307,
0.3928

 1.0323, 0.2630,
0.7370

239.7634, 0.3297,

 0.0000, 0.0000,

0.3885

0.0000

289.1404, 0.3288,
0.3847

■ 39.7029, 0.3400,
0.4412

■ 39.7029, 0.3400,
0.4412

■ 38.6231, 0.3447,
0.4703

■ 40.9229, 0.3341,
0.4120

■ 37.6721, 0.3478,
0.4978

■ 42.2836, 0.3275,
0.3835

■ 36.8448, 0.3489,
0.5225

■ 43.7922, 0.3206,
0.3566


■ 36.1335, 0.3479,
0.5429


■ 45.4537, 0.3135,
0.3316

■ 35.5293, 0.3446,
0.5581

■ 47.2729, 0.3065,
0.3088

 35.0672, 0.3404,
0.5679

 49.2543, 0.2998,
0.2881

 51.4024, 0.2935,
0.2695

 53.7214, 0.2875,
0.2529

 55.3477, 0.2906,
0.2497

Harmonies

Analogous

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



39.7029, 0.3955, 0.4319



39.7029, 0.3400, 0.4412



39.7029, 0.2801, 0.4105

Triad

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



39.7029, 0.3400, 0.4412



39.7029, 0.2057, 0.2493



39.7029, 0.3974, 0.3027

Complementary

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



39.7029, 0.3400, 0.4412



19.2741, 0.2732, 0.2159

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.



39.7029, 0.3379, 0.2637



39.7029, 0.3400, 0.4412



39.7029, 0.2298, 0.2330

Square

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



39.7029, 0.3400, 0.4412



39.7029, 0.2061, 0.2899



39.7029, 0.2763, 0.2389



39.7029, 0.4325, 0.3492

Rectangle

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



39.7029, 0.3400, 0.4412



39.7029, 0.2458, 0.3719



39.7029, 0.2763, 0.2389



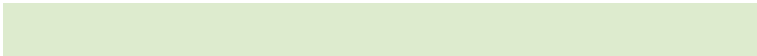
39.7029, 0.3792, 0.2885

Sweetspot

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



39.7046, 0.3400, 0.4412



79.0802, 0.3213, 0.3595



29.6614, 0.3945, 0.3789



17.0143, 0.3222, 0.3628



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.7046, 0.3400, 0.4412



70.2580, 0.3442, 0.4666



36.9061, 0.3088, 0.4528



9.7028, 0.3193, 0.3520



24.5117, 0.3412, 0.5673



0.8057, 0.3625, 0.5503

Inverse Universe

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



19.2741, 0.2732, 0.2159



28.3314, 0.2621, 0.1900



23.0176, 0.3145, 0.2287



8.4209, 0.3057, 0.3060



3.6952, 0.1987, 0.0868



0.1511, 0.2309, 0.1046

Previews

White Background



This preview shows how the Yxy color 39.7029, 0.3400, 0.4412 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 39.7029, 0.3400, 0.4412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

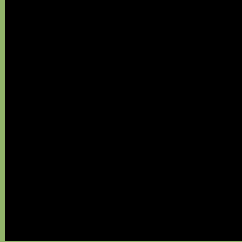
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7029, 0.3400, 0.4412

Background



This preview shows how black text looks on a background with the Yxy color 39.7029, 0.3400, 0.4412.



This preview shows how white text looks on a background with the Yxy color 39.7029, 0.3400, 0.4412.

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

39.7029, 0.3400, 0.4412

Protanopia

39.5256, 0.3861, 0.4198

Deuteranopia

39.3120, 0.4030, 0.3942



Tritanopia

39.6544, 0.2893, 0.3107

Trichromacy



Original Color

39.7029, 0.3400, 0.4412

Protanomaly

39.4125, 0.3691, 0.4283

Deuteranomaly

39.0545, 0.3787, 0.4102

Tritanomaly

39.3478, 0.3080, 0.3555

Monochromacy



Original Color

39.7029, 0.3400, 0.4412

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.8969, 0.3238, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7029, 0.3400, 0.4412 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(145, 180, 106)` looks like.

```
.text, #text, p{  
    color:rgb(145, 180, 106)  
}
```

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(145, 180, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 180, 106) }
```

Border

The CSS property to change the border of an element to Yxy 39.7029, 0.3400, 0.4412 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(145, 180, 106) }
```

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

```
.border{ border-color:rgb(145, 180, 106) }
```

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

Here you see how a box with a 4 pixel rgb(145, 180, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 180, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 180, 106);  
box-shadow:4px 4px 4px 4px rgb(145, 180,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7029, 0.3400, 0.4412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 180, 106) }
```

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

```
.background{ background-color: rgb(145,  
180, 106) }
```

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