

Converting Colors

$Yxy(39.1537, 0.3395, 0.4156)$

Have a look what the booklet for
Yxy(39.1537, 0.3395, 0.4156)
contains.

Yxy(39.1310, 0.3394, 0.4160)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.1310, 0.3394, 0.4160)

Conversions

Conversions Part 1

Format	Color
Hex	99B076
RGB	153, 176, 118
RGB Percent	60%, 69%, 46%
CMY	0.4002, 0.3097, 0.5373
CMYK	0.13, 0.00, 0.33, 0.31
HSL	84°, 27%, 58%
HSV	84°, 33%, 69%
XYZ	31.9256, 39.1310, 23.0083
YIQ	162.5110, 4.9100, -22.9140

Conversions

Conversions Part 2

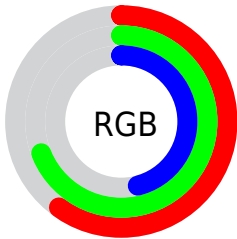
Format	Color
R_{YB}	118, 176, 141
Decimal	10072182
CIE _{Lab}	68.85, -18.15, 27.16
CIE _{LCh}	69, 32.667, 123.752
Yxy	39.1310, 0.3394, 0.4160
Android (android.graphics.Color)	4288262262 (0xFF99B076)
YUV	162.5110, -21.9439, -8.3411
Hunter-Lab	62.5548, -18.3711, 21.9809

Details

The Yxy color **39.1310, 0.3394, 0.4160** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.7590, 0.2781, 0.2391**, and the grayscale version is **36.4841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0634, 0.3348, 0.3986**, and **17.3623, 0.3454, 0.4434** is the 20% darker color. If you saturate the color by 10%, you get **38.0919, 0.3464, 0.4443**, and if you desaturate by 10%, it is **40.2916, 0.3316, 0.3881**.

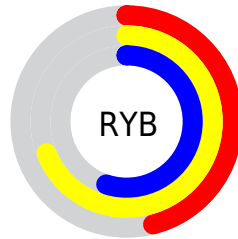
Distribution



Red (60%)

Green (69%)

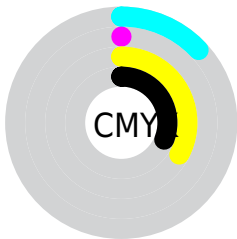
Blue (46%)



Red (46%)

Yellow (69%)

Blue (55%)

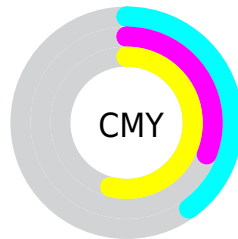


Cyan (13%)

Magenta (0%)

Yellow (33%)

Black (31%)



Cyan (40%)


Magenta (31%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1310, 0.3394, 0.4160 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 39.1310, 0.3394, 0.4160 by changing the saturation by 10% instead.


 39.1310, 0.3394,
0.4160


 39.1310, 0.3394,
0.4160

342.4471, 0.3268,
0.3699


 26.8617, 0.3422,
0.4283


 73.8384, 0.3350,
0.3986

 17.4693, 0.3454,
0.4445


 97.0452, 0.3333,
0.3923

 10.5697, 0.3491,
0.4668


 124.6667, 0.3319,
0.3870

 5.7783, 0.3528,
0.4989

157.0872, 0.3306,
0.3825

 2.7107, 0.3622,
0.5607

194.6911, 0.3294,
0.3787

 0.9826, 0.3317,
0.6683

237.8628, 0.3284,

 0.0000, 0.0000,

0.3753

0.0000

286.9866, 0.3275,
0.3724

■ 39.1310, 0.3394,
0.4160

■ 39.1310, 0.3394,
0.4160

■ 38.0919, 0.3464,
0.4443

■ 40.2916, 0.3316,
0.3881

■ 37.1640, 0.3521,
0.4720

■ 41.5731, 0.3234,
0.3613

■ 36.3436, 0.3561,
0.4977


■ 42.9817, 0.3151,
0.3361


■ 35.6247, 0.3579,
0.5203

■ 44.5215, 0.3070,
0.3129

■ 35.0003, 0.3574,
0.5386


■ 46.1965, 0.2992,
0.2916


 34.4625, 0.3546,
0.5518

 48.0103, 0.2918,
0.2724

 34.1244, 0.3518,
0.5589

 49.9666, 0.2848,
0.2552

 51.8210, 0.2808,
0.2431

 52.8635, 0.2861,
0.2444

Harmonies

Analogous

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



39.1310, 0.3820, 0.4090



39.1310, 0.3394, 0.4160



39.1310, 0.2916, 0.3942

Triad

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



39.1310, 0.3394, 0.4160



39.1310, 0.2261, 0.2685



39.1310, 0.3755, 0.3058

Complementary

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



39.1310, 0.3394, 0.4160



21.7590, 0.2781, 0.2391

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.



39.1310, 0.3289, 0.2746



39.1310, 0.3394, 0.4160



39.1310, 0.2444, 0.2526

Square

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



39.1310, 0.3394, 0.4160



39.1310, 0.2285, 0.3030



39.1310, 0.2808, 0.2555



39.1310, 0.4049, 0.3436

Rectangle

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



39.1310, 0.3394, 0.4160



39.1310, 0.2634, 0.3662



39.1310, 0.2808, 0.2555



39.1310, 0.3611, 0.2944

Sweetspot

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



39.1327, 0.3394, 0.4160



76.0735, 0.3211, 0.3541



29.3655, 0.3770, 0.3619



16.4125, 0.3223, 0.3576



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.



39.1327, 0.3394, 0.4160



69.4811, 0.3449, 0.4379



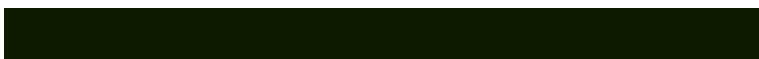
36.7071, 0.3139, 0.4233



9.7348, 0.3204, 0.3519



25.0674, 0.3525, 0.5584



0.8215, 0.3713, 0.5434

Inverse Universe

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



21.7590, 0.2781, 0.2391



32.7963, 0.2677, 0.2154



24.5536, 0.3089, 0.2468



8.3894, 0.3045, 0.3059



3.2861, 0.1855, 0.0795



0.1378, 0.2192, 0.0981

Previews

White Background



This preview shows how the Yxy color 39.1310, 0.3394, 0.4160 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 39.1310, 0.3394, 0.4160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

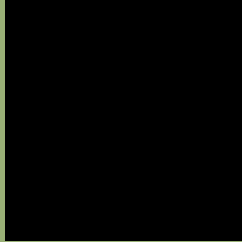
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1310, 0.3394, 0.4160

Background



This preview shows how black text looks on a background with the Yxy color 39.1310, 0.3394, 0.4160.



This preview shows how white text looks on a background with the Yxy color 39.1310, 0.3394, 0.4160.

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

39.1310, 0.3394, 0.4160

Protanopia

39.0439, 0.3733, 0.4038

Deuteranopia

39.0123, 0.3886, 0.3814



Tritanopia

39.0228, 0.2966, 0.3108

Trichromacy



Original Color

39.1310, 0.3394, 0.4160

Protanomaly

39.0216, 0.3611, 0.4090

Deuteranomaly

38.5736, 0.3699, 0.3928

Tritanomaly

38.9654, 0.3127, 0.3478

Monochromacy



Original Color

39.1310, 0.3394, 0.4160

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.4828, 0.3224, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1310, 0.3394, 0.4160 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(153, 176, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 176, 118) }
```

Border

The CSS property to change the border of an element to Yxy 39.1310, 0.3394, 0.4160 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, 118) }
```

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

```
.border{ border-color:rgb(153, 176, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 176, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 176, 118);  
box-shadow:4px 4px 4px 4px rgb(153, 176,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1310, 0.3394, 0.4160 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, 118) }
```

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

```
.background{ background-color: rgb(153,  
176, 118) }
```

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