

Converting Colors

$Yxy(39.8228, 0.3427, 0.4134)$

Have a look what the booklet for
Yxy(39.8228, 0.3427, 0.4134)
contains.

Yxy(39.6517, 0.3434, 0.4131)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.6517, 0.3434, 0.4131)

Conversions

Conversions Part 1

Format	Color
Hex	9EB077
RGB	158, 176, 119
RGB Percent	62%, 69%, 47%
CMY	0.3802, 0.3098, 0.5333
CMYK	0.10, 0.00, 0.32, 0.31
HSL	79°, 27%, 58%
HSV	79°, 32%, 69%
XYZ	32.9615, 39.6517, 23.3725
YIQ	164.1200, 7.5690, -21.5430

Conversions

Conversions Part 2

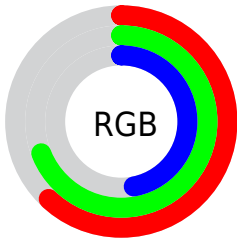
Format	Color
RYB	119, 176, 137
Decimal	10399863
CIELab	69.22, -16.05, 27.18
CIELCh	69, 31.564, 120.554
Yxy	39.6517, 0.3434, 0.4131
Android (android.graphics.Color)	4288589943 (0xFF9EB077)
YUV	164.1200, -22.2442, -5.3672
Hunter-Lab	62.9696, -16.7608, 22.0720

Details

The Yxy color **39.6517, 0.3434, 0.4131** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.6469, 0.2739, 0.2396**, and the grayscale version is **37.2937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8379, 0.3378, 0.3966**, and **17.6723, 0.3510, 0.4389** is the 20% darker color. If you saturate the color by 10%, you get **38.7189, 0.3519, 0.4404**, and if you desaturate by 10%, it is **40.6917, 0.3342, 0.3859**.

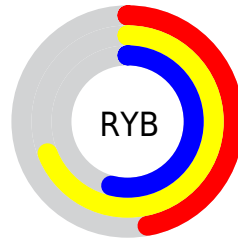
Distribution



Red (62%)

Green (69%)

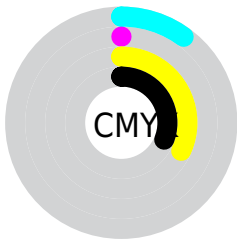
Blue (47%)



Red (47%)

Yellow (69%)

Blue (54%)

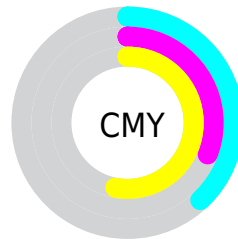


Cyan (10%)

Magenta (0%)

Yellow (32%)

Black (31%)



Cyan (38%)


Magenta (31%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6517, 0.3434, 0.4131 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 39.6517, 0.3434, 0.4131 by changing the saturation by 10% instead.

 39.6517, 0.3434,
0.4131


 39.6517, 0.3434,
0.4131

344.6533, 0.3286,
0.3688

 27.2671, 0.3468,
0.4248


 74.6328, 0.3382,
0.3965

 17.7739, 0.3508,
0.4402


 97.9982, 0.3362,
0.3904

 10.7878, 0.3556,
0.4612


 125.7925, 0.3345,
0.3853

 5.9243, 0.3609,
0.4913

158.4003, 0.3330,
0.3810

 2.7991, 0.3718,
0.5469

196.2058, 0.3317,
0.3773

 1.0278, 0.3602,
0.6398

239.5936, 0.3306,

 0.0000, 0.0000,

0.3741

0.0000

288.9480, 0.3295,
0.3713

■ 39.6517, 0.3434,
0.4131

■ 39.6517, 0.3434,
0.4131

■ 38.7189, 0.3519,
0.4404

■ 40.6917, 0.3342,
0.3859

■ 37.8834, 0.3591,
0.4668

■ 41.8379, 0.3246,
0.3596

■ 37.1419, 0.3646,
0.4912


■ 43.0962, 0.3150,
0.3347

■ 36.4887, 0.3679,
0.5124


■ 44.4704, 0.3056,
0.3115


■ 35.9174, 0.3688,
0.5293


■ 45.9641, 0.2966,
0.2902

 35.4203, 0.3673,
0.5415

 47.5807, 0.2882,
0.2708

 35.0795, 0.3650,
0.5484

 49.3235, 0.2803,
0.2533

 50.8820, 0.2760,
0.2420

 51.6718, 0.2801,
0.2429

Harmonies

Analogous

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



39.6517, 0.3830, 0.4040



39.6517, 0.3434, 0.4131



39.6517, 0.2973, 0.3950

Triad

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



39.6517, 0.3434, 0.4131



39.6517, 0.2284, 0.2735



39.6517, 0.3689, 0.3031

Complementary

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



39.6517, 0.3434, 0.4131



21.6469, 0.2739, 0.2396

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.



39.6517, 0.3232, 0.2738



39.6517, 0.3434, 0.4131



39.6517, 0.2440, 0.2561

Square

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



39.6517, 0.3434, 0.4131



39.6517, 0.2329, 0.3086



39.6517, 0.2776, 0.2569



39.6517, 0.3995, 0.3393

Rectangle

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



39.6517, 0.3434, 0.4131



39.6517, 0.2692, 0.3695



39.6517, 0.2776, 0.2569



39.6517, 0.3546, 0.2923

Sweetspot

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



39.6535, 0.3434, 0.4131



76.3706, 0.3224, 0.3540



28.2002, 0.3777, 0.3544



16.4851, 0.3238, 0.3574



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.



39.6535, 0.3434, 0.4131



70.6671, 0.3497, 0.4331



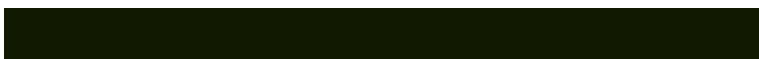
37.1589, 0.3180, 0.4202



9.7697, 0.3216, 0.3518



25.7725, 0.3655, 0.5480



0.8403, 0.3811, 0.5356

Inverse Universe

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



21.6469, 0.2739, 0.2396



32.7869, 0.2629, 0.2167



24.2874, 0.3037, 0.2470



8.3558, 0.3032, 0.3058



2.9336, 0.1734, 0.0729



0.1242, 0.2065, 0.0911

Previews

White Background



This preview shows how the Yxy color 39.6517, 0.3434, 0.4131 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 39.6517, 0.3434, 0.4131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

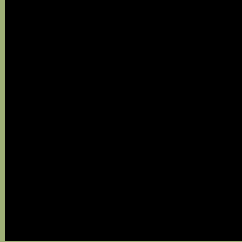
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

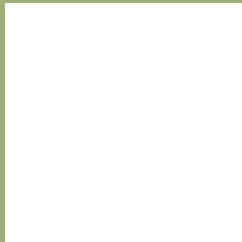
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.6517, 0.3434, 0.4131

Background



This preview shows how black text looks on a background with the Yxy color 39.6517, 0.3434, 0.4131.



This preview shows how white text looks on a background with the Yxy color 39.6517, 0.3434, 0.4131.

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

39.6517, 0.3434, 0.4131

Protanopia

39.5820, 0.3721, 0.4021

Deuteranopia

39.5252, 0.3882, 0.3812



Tritanopia

39.5569, 0.3010, 0.3111

Trichromacy



Original Color

39.6517, 0.3434, 0.4131

Protanomaly

39.6736, 0.3610, 0.4069

Deuteranomaly

39.3322, 0.3716, 0.3920

Tritanomaly

39.4870, 0.3173, 0.3476

Monochromacy



Original Color

39.6517, 0.3434, 0.4131

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.8248, 0.3244, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6517, 0.3434, 0.4131 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(158, 176, 119)` looks like.

```
.text, #text, p{  
    color:rgb(158, 176, 119)  
}
```

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(158, 176, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 176, 119) }
```

Border

The CSS property to change the border of an element to Yxy 39.6517, 0.3434, 0.4131 is called "border". The border property can be set on classes, ids or directly on the HTML element.

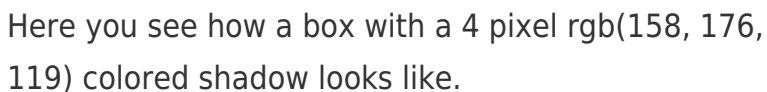
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 176, 119) }
```

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

```
.border{ border-color:rgb(158, 176, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 176, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 176, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 176, 119);  
box-shadow:4px 4px 4px 4px rgb(158, 176,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6517, 0.3434, 0.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 176, 119) }
```

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

```
.background{ background-color: rgb(158,  
176, 119) }
```

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