

# Converting Colors

Yxy(39.3486, 0.4115, 0.4420)

Have a look what the booklet for  
Yxy(39.3486, 0.4115, 0.4420)  
contains.

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# Color

**Yxy(39.1491, 0.4114, 0.4416)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEA74F
RGB	190, 167, 79
RGB Percent	75%, 65%, 31%
CMY	0.2548, 0.3451, 0.6902
CMYK	0.00, 0.12, 0.58, 0.25
HSL	48°, 46%, 53%
HSV	48°, 58%, 75%
XYZ	36.4718, 39.1491, 13.0320
YIQ	163.8450, 41.9560, -22.4920

# Conversions

## Conversions Part 2

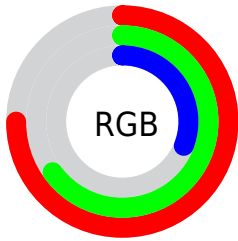
Format	Color
<a href="#">RYB</a>	<a href="#">108, 190, 79</a>
Decimal	<a href="#">12494671</a>
CIELab	<a href="#">68.86, -2.44, 47.75</a>
CIELCh	<a href="#">69, 47.808, 92.920</a>
Yxy	<a href="#">39.1491, 0.4114, 0.4416</a>
Android (android.graphics.Color)	<a href="#">4290684751 (0xFFBEA74F)</a>
YUV	<a href="#">163.8450, -41.8286, 22.9379</a>
Hunter-Lab	<a href="#">62.5692, -5.4480, 31.4495</a>

# Details

The Yxy color **39.1491, 0.4114, 0.4416** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.8938, 0.2085, 0.1797**, and the grayscale version is **37.2373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8377, 0.3942, 0.4223**, and **17.4089, 0.4354, 0.4691** is the 20% darker color. If you saturate the color by 10%, you get **37.4896, 0.4272, 0.4555**, and if you desaturate by 10%, it is **40.9354, 0.3942, 0.4247**.

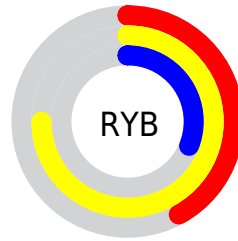
# Distribution



Red (75%)

Green (65%)

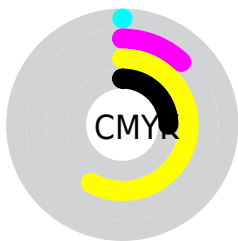
Blue (31%)



Red (42%)

Yellow (75%)

Blue (31%)

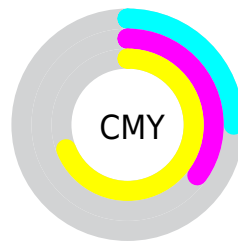


Cyan (0%)

Magenta (12%)

Yellow (58%)

Black (25%)



Cyan (25%)

Magenta (35%)

Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1491, 0.4114, 0.4416 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 39.1491, 0.4114, 0.4416 by changing the saturation by 10% instead.




 39.1491, 0.4114,  
0.4416


 39.1491, 0.4114,  
0.4416

342.5240, 0.3634,  
0.3860


 26.8757, 0.4220,  
0.4542


 73.8660, 0.3947,  
0.4221

 17.4799, 0.4345,  
0.4693


 97.0784, 0.3882,  
0.4145


 10.5773, 0.4487,  
0.4869


 124.7059, 0.3826,  
0.4080

 5.7833, 0.4718,  
0.5156

 157.1329, 0.3777,  
0.4024

 2.7138, 0.4751,  
0.5249

 194.7438, 0.3734,  
0.3975

 0.9842, 0.4701,  
0.5299

237.9230, 0.3697,

 0.0000, 0.0000,

0.3932

0.0000

287.0550, 0.3663,  
0.3894

■ 39.1491, 0.4114,  
0.4416

■ 39.1491, 0.4114,  
0.4416

■ 37.4896, 0.4272,  
0.4555

■ 40.9354, 0.3942,  
0.4247

■ 35.9441, 0.4409,  
0.4653

■ 42.8496, 0.3765,  
0.4057

■ 34.5059, 0.4520,  
0.4707

■ 44.8994, 0.3588,  
0.3856

■ 33.1615, 0.4603,  
0.4717

■ 47.0901, 0.3417,  
0.3653

■ 32.9552, 0.4616,  
0.4717

■ 49.4269, 0.3255,  
0.3452

■ 51.9145, 0.3104,  
0.3260

■ 54.5574, 0.2966,  
0.3079

■ 57.3599, 0.2841,  
0.2910

■ 60.3259, 0.2727,  
0.2754

# Harmonies

## Analogous

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



39.1491, 0.4488, 0.3970



39.1491, 0.4114, 0.4416



39.1491, 0.3498, 0.4591

# Triad

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



39.1491, 0.4114, 0.4416



39.1491, 0.1945, 0.2900



39.1491, 0.3329, 0.2517

# Complementary

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



39.1491, 0.4114, 0.4416



14.8938, 0.2085, 0.1797

# 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.



39.1491, 0.2641, 0.2262



39.1491, 0.4114, 0.4416



39.1491, 0.1913, 0.2419

# Square

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



39.1491, 0.4114, 0.4416



39.1491, 0.2256, 0.3612



39.1491, 0.2150, 0.2217



39.1491, 0.4029, 0.2934



# Rectangle

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



39.1491, 0.4114, 0.4416



39.1491, 0.3040, 0.4451



39.1491, 0.2150, 0.2217



39.1491, 0.3086, 0.2411

# Sweetspot

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



39.1510, 0.4114, 0.4416



85.3546, 0.3414, 0.3650



17.5249, 0.4501, 0.2978



18.4800, 0.3464, 0.3710



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



39.1510, 0.4114, 0.4416



67.1311, 0.4312, 0.4585



44.7342, 0.3660, 0.4809



10.7751, 0.3269, 0.3471



22.0199, 0.4609, 0.4722



0.9487, 0.4492, 0.4816



# Inverse Universe

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



14.8938, 0.2085, 0.1797



19.3827, 0.1867, 0.1432



12.6568, 0.2282, 0.1554



9.5376, 0.2984, 0.3103



3.5493, 0.1563, 0.0826



0.2347, 0.1687, 0.1273



# Previews

## White Background



This preview shows how the Yxy color 39.1491, 0.4114, 0.4416 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

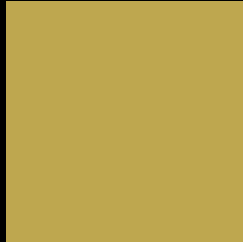
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.1491, 0.4114, 0.4416 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 39.1491, 0.4114, 0.4416**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.1491, 0.4114, 0.4416.

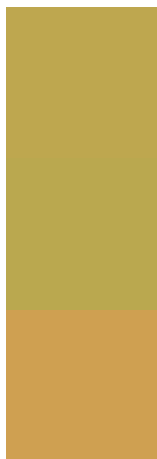


This preview shows how white text looks on a background with the Yxy color 39.1491, 0.4114, 0.4416.

# 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

39.1491, 0.4114, 0.4416

### Protanopia

39.0089, 0.4066, 0.4447

### Deuteranopia

39.0011, 0.4325, 0.4239



## Tritanopia

38.9843, 0.3419, 0.3136

# Trichromacy



## Original Color

39.1491, 0.4114, 0.4416

## Protanomaly

39.1346, 0.4076, 0.4442

## Deuteranomaly

39.1911, 0.4248, 0.4309

## Tritanomaly

38.8694, 0.3701, 0.3624

# Monochromacy



## Original Color

39.1491, 0.4114, 0.4416

## Achromatopsia

37.1238, 0.3127, 0.3290

## Achromatomaly

37.4880, 0.3492, 0.3749

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  39.1491, 0.4114, 0.4416 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(190, 167, 79)` looks like.

```
.text, #text, p{  
    color:rgb(190, 167, 79)  
}
```

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(190, 167, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 167, 79) }
```

## Border

The CSS property to change the border of an element to Yxy 39.1491, 0.4114, 0.4416 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(190, 167, 79) }
```

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

```
.border{ border-color:rgb(190, 167, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 167, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 167, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 167, 79);  
box-shadow:4px 4px 4px 4px rgb(190, 167,  
79) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.1491, 0.4114, 0.4416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 167, 79) }
```

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

```
.background{ background-color: rgb(190,  
167, 79) }
```

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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