

# Converting Colors

Yxy(39.2409, 0.3192, 0.4408)

Have a look what the booklet for  
Yxy(39.2409, 0.3192, 0.4408)  
contains.

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# Color

**Yxy(39.1378, 0.3194, 0.4401)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FB670
RGB	127, 182, 112
RGB Percent	50%, 71%, 44%
CMY	0.5020, 0.2863, 0.5608
CMYK	0.30, 0.00, 0.38, 0.29
HSL	107°, 32%, 58%
HSV	107°, 38%, 71%
XYZ	28.4040, 39.1378, 21.3875
YIQ	157.5750, -10.3100, -33.4300

# Conversions

## Conversions Part 2

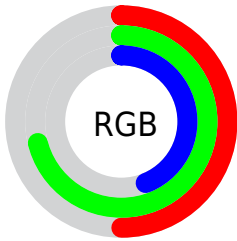
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">112, 182, 167</a>
Decimal	<a href="#">8369776</a>
CIELab	<a href="#">68.85, -31.45, 30.03</a>
CIElCh	<a href="#">69, 43.489, 136.320</a>
Yxy	<a href="#">39.1378, 0.3194, 0.4401</a>
Android (android.graphics.Color)	<a href="#">4286559856 (0xFF7FB670)</a>
YUV	<a href="#">157.5750, -22.4685, -26.8143</a>
Hunter-Lab	<a href="#">62.5602, -28.4365, 23.5226</a>

# Details

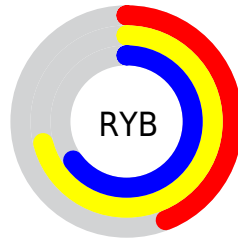
The Yxy color **39.1378, 0.3194, 0.4401** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.1849, 0.3003, 0.2307**, and the grayscale version is **34.0966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6532, 0.3194, 0.4176**, and **17.5553, 0.3176, 0.4786** is the 20% darker color. If you saturate the color by 10%, you get **37.7528, 0.3199, 0.4734**, and if you desaturate by 10%, it is **40.7640, 0.3182, 0.4078**.

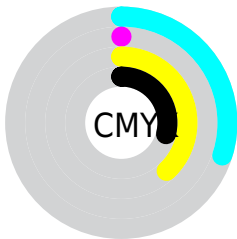
# Distribution



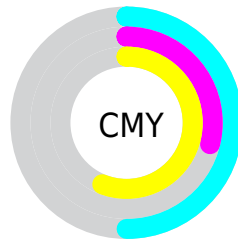
- Red (50%)
- Green (71%)
- Blue (44%)



- Red (44%)
- Yellow (71%)
- Blue (65%)



- Cyan (30%)
- Magenta (0%)
- Yellow (38%)
- Black (29%)




- Cyan (50%)
- Magenta (29%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1378, 0.3194, 0.4401 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 39.1378, 0.3194, 0.4401 by changing the saturation by 10% instead.




 39.1378, 0.3194,  
0.4401


 39.1378, 0.3194,  
0.4401


342.4760, 0.3179,  
0.3801


 26.8669, 0.3190,  
0.4565


 73.8488, 0.3194,  
0.4172

 17.4733, 0.3178,  
0.4784


 97.0577, 0.3192,  
0.4089

 10.5725, 0.3151,  
0.5088


 124.6814, 0.3190,  
0.4021

 5.7802, 0.3088,  
0.5534

 157.1044, 0.3188,  
0.3963

 2.7119, 0.3064,  
0.6522

194.7109, 0.3185,  
0.3913

 0.9832, 0.1426,  
0.8574

237.8854, 0.3183,

 0.0000, 0.0000,

0.3871

0.0000

287.0123, 0.3181,  
0.3833

■ 39.1378, 0.3194,  
0.4401

■ 39.1378, 0.3194,  
0.4401

■ 37.7528, 0.3199,  
0.4734

■ 40.7640, 0.3182,  
0.4078

■ 36.5925, 0.3195,  
0.5061

■ 42.6372, 0.3165,  
0.3776

■ 35.6461, 0.3180,  
0.5362


■ 44.7690, 0.3145,  
0.3501

■ 34.8997, 0.3155,  
0.5616


■ 47.1689, 0.3124,  
0.3254


■ 34.3379, 0.3121,  
0.5803

■ 49.8459, 0.3102,  
0.3035

 33.9392, 0.3083,  
0.5923

 52.8085, 0.3079,  
0.2843

 33.8888, 0.3078,  
0.5938

 56.0649, 0.3058,  
0.2675

 59.4539, 0.3056,  
0.2552

 61.9382, 0.3161,  
0.2575

# Harmonies

## Analogous

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



39.1378, 0.3805, 0.4433



39.1378, 0.3194, 0.4401



39.1378, 0.2597, 0.3949

# Triad

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



39.1378, 0.3194, 0.4401



39.1378, 0.2076, 0.2379



39.1378, 0.4169, 0.3172

# Complementary

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



39.1378, 0.3194, 0.4401



23.1849, 0.3003, 0.2307

# 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.



39.1378, 0.3611, 0.2736



39.1378, 0.3194, 0.4401



39.1378, 0.2405, 0.2293

# Square

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



39.1378, 0.3194, 0.4401



39.1378, 0.1993, 0.2712



39.1378, 0.2952, 0.2425



39.1378, 0.4410, 0.3662



# Rectangle

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



39.1378, 0.3194, 0.4401



39.1378, 0.2286, 0.3508



39.1378, 0.2952, 0.2425



39.1378, 0.4010, 0.3017

# Sweetspot

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



39.1395, 0.3194, 0.4401



79.6579, 0.3153, 0.3601



38.6942, 0.3766, 0.4047



17.4825, 0.3156, 0.3636



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



39.1395, 0.3194, 0.4401



68.8344, 0.3199, 0.4678



38.5648, 0.2936, 0.4107



10.1503, 0.3147, 0.3524



23.9545, 0.3084, 0.5933



0.8716, 0.3265, 0.5789



# Inverse Universe

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



23.1849, 0.3003, 0.2307



35.8431, 0.2965, 0.2096



24.1501, 0.3399, 0.2596



9.0631, 0.3104, 0.3062



6.5410, 0.2679, 0.1250



0.2552, 0.2824, 0.1329



# Previews

## White Background



This preview shows how the Yxy color 39.1378, 0.3194, 0.4401 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 39.1378, 0.3194, 0.4401 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

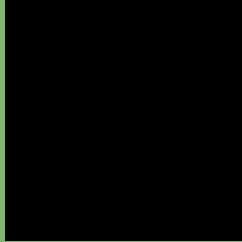
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.1378, 0.3194, 0.4401**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.1378, 0.3194, 0.4401.



This preview shows how white text looks on a background with the Yxy color 39.1378, 0.3194, 0.4401.

# 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

39.1378, 0.3194, 0.4401

### Protanopia

38.6231, 0.3818, 0.4129

### Deuteranopia

38.5681, 0.3929, 0.3853



## Tritanopia

39.0504, 0.2745, 0.3087

# Trichromacy



## Original Color

39.1378, 0.3194, 0.4401

## Protanomaly

38.2691, 0.3576, 0.4229

## Deuteranomaly

38.1273, 0.3643, 0.4046

## Tritanomaly

38.7396, 0.2906, 0.3533

# Monochromacy



## Original Color

39.1378, 0.3194, 0.4401

## Achromatopsia

34.1914, 0.3127, 0.3290

## Achromatomaly

35.7636, 0.3164, 0.3690

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.1378, 0.3194, 0.4401 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(127, 182, 112)` looks like.

```
.text, #text, p{  
    color:rgb(127, 182, 112)  
}
```

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(127, 182, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 182, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 39.1378, 0.3194, 0.4401 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(127, 182, 112) }
```

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

```
.border{ border-color:rgb(127, 182, 112) }
```

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

Here you see how a box with a 4 pixel rgb(127, 182, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 182, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 182, 112);  
box-shadow:4px 4px 4px 4px rgb(127, 182,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.1378, 0.3194, 0.4401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 182, 112) }
```

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

```
.background{ background-color: rgb(127,  
182, 112) }
```

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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