

# Converting Colors

$Yxy(39.8268, 0.3154, 0.4192)$

Have a look what the booklet for  
Yxy(39.8268, 0.3154, 0.4192)  
contains.

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# Color

**Yxy(39.8977, 0.3158, 0.4194)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85B67C
RGB	133, 182, 124
RGB Percent	52%, 71%, 49%
CMY	0.4783, 0.2863, 0.5137
CMYK	0.27, 0.00, 0.32, 0.29
HSL	111°, 28%, 60%
HSV	111°, 32%, 71%
XYZ	30.0422, 39.8977, 25.1905
YIQ	160.7370, -10.5860, -28.4260

# Conversions

## Conversions Part 2

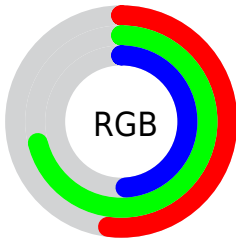
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 182, 173
Decimal	8763004
CIELab	69.40, -27.50, 24.46
CIELCh	69, 36.800, 138.349
Yxy	39.8977, 0.3158, 0.4194
Android (android.graphics.Color)	4286953084 (0xFF85B67C)
YUV	160.7370, -18.1113, -24.3253
Hunter-Lab	63.1646, -25.6404, 20.5699

# Details

The Yxy color **39.8977, 0.3158, 0.4194** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **26.6793, 0.3067, 0.2488**, and the grayscale version is **35.6047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8882, 0.3158, 0.4008**, and **18.0024, 0.3145, 0.4493** is the 20% darker color. If you saturate the color by 10%, you get **38.3193, 0.3160, 0.4528**, and if you desaturate by 10%, it is **41.7476, 0.3151, 0.3880**.

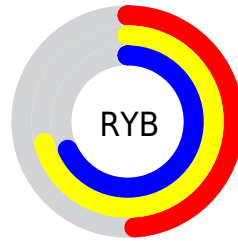
# Distribution



Red (52%)

Green (71%)

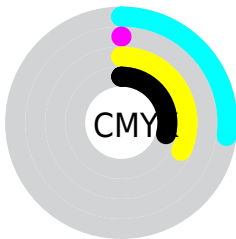
Blue (49%)



Red (49%)

Yellow (71%)

Blue (68%)

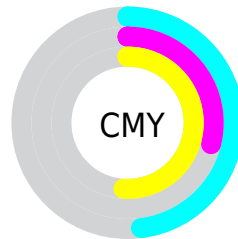


Cyan (27%)

Magenta (0%)

Yellow (32%)

Black (29%)



Cyan (48%)

Magenta (29%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8977, 0.3158, 0.4194 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 39.8977, 0.3158, 0.4194 by changing the saturation by 10% instead.




 39.8977, 0.3158,  
0.4194


 39.8977, 0.3158,  
0.4194


345.6922, 0.3155,  
0.3709


 27.4588, 0.3154,  
0.4326


 75.0077, 0.3160,  
0.4010

 17.9181, 0.3145,  
0.4502


 98.4476, 0.3160,  
0.3943

 10.8912, 0.3126,  
0.4747


 126.3233, 0.3159,  
0.3888

 5.9937, 0.3083,  
0.5109

159.0191, 0.3159,  
0.3841

 2.8413, 0.3001,  
0.5732

196.9196, 0.3158,  
0.3801

 1.0494, 0.2323,  
0.7677

240.4089, 0.3157,

 0.0000, 0.0000,

0.3766

0.0000

289.8717, 0.3156,  
0.3736

■ 39.8977, 0.3158,  
0.4194

■ 39.8977, 0.3158,  
0.4194

■ 38.3193, 0.3160,  
0.4528

■ 41.7476, 0.3151,  
0.3880

■ 36.9947, 0.3156,  
0.4867

■ 43.8758, 0.3142,  
0.3592

■ 35.9120, 0.3144,  
0.5195


■ 46.2948, 0.3130,  
0.3335


■ 35.0562, 0.3125,  
0.5487

■ 49.0152, 0.3116,  
0.3107


■ 34.4107, 0.3099,  
0.5721

■ 52.0470, 0.3103,  
0.2908

 33.9564, 0.3069,  
0.5881

 55.3995, 0.3089,  
0.2734

 33.7062, 0.3046,  
0.5964

 59.0819, 0.3076,  
0.2583

 61.9354, 0.3161,  
0.2575

# Harmonies

## Analogous

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



39.8977, 0.3680, 0.4261



39.8977, 0.3158, 0.4194



39.8977, 0.2653, 0.3802

# Triad

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



39.8977, 0.3158, 0.4194



39.8977, 0.2238, 0.2504



39.8977, 0.4026, 0.3227

# Complementary

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



39.8977, 0.3158, 0.4194



26.6793, 0.3067, 0.2488

# 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.



39.8977, 0.3573, 0.2841



39.8977, 0.3158, 0.4194



39.8977, 0.2541, 0.2436

# Square

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



39.8977, 0.3158, 0.4194



39.8977, 0.2152, 0.2783



39.8977, 0.3020, 0.2560



39.8977, 0.4210, 0.3652



# Rectangle

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



39.8977, 0.3158, 0.4194



39.8977, 0.2392, 0.3440



39.8977, 0.3020, 0.2560



39.8977, 0.3898, 0.3090

# Sweetspot

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



39.8994, 0.3158, 0.4194



80.2515, 0.3140, 0.3547



41.0331, 0.3637, 0.3954



17.5960, 0.3141, 0.3584



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.



39.8994, 0.3158, 0.4194



70.3435, 0.3160, 0.4419



39.7351, 0.2945, 0.3897



10.1253, 0.3139, 0.3525



23.8224, 0.3051, 0.5960



0.8610, 0.3197, 0.5844



# Inverse Universe

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



26.6793, 0.3067, 0.2488



42.7125, 0.3048, 0.2316



26.9963, 0.3374, 0.2754



9.0902, 0.3114, 0.3063



7.2410, 0.2824, 0.1330



0.2745, 0.2930, 0.1388



# Previews

## White Background



This preview shows how the Yxy color 39.8977, 0.3158, 0.4194 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 39.8977, 0.3158, 0.4194 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

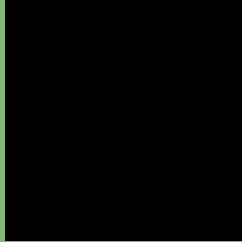
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.8977, 0.3158, 0.4194**

## Background



This preview shows how black text looks on a background with the Yxy color 39.8977, 0.3158, 0.4194.



This preview shows how white text looks on a background with the Yxy color 39.8977, 0.3158, 0.4194.

# 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

39.8977, 0.3158, 0.4194

### Protanopia

39.6290, 0.3703, 0.3994

### Deuteranopia

39.5413, 0.3814, 0.3736



## Tritanopia

39.8322, 0.2770, 0.3089

# Trichromacy



**Original Color**

39.8977, 0.3158, 0.4194

**Protanomaly**

39.5207, 0.3489, 0.4076

**Deuteranomaly**

39.0222, 0.3554, 0.3885

**Tritanomaly**

39.7363, 0.2909, 0.3468

# Monochromacy



**Original Color**

39.8977, 0.3158, 0.4194

**Achromatopsia**

35.6400, 0.3127, 0.3290

**Achromatomaly**

37.0934, 0.3140, 0.3606

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.8977, 0.3158, 0.4194 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(133, 182, 124)` looks like.

```
.text, #text, p{  
    color:rgb(133, 182, 124)  
}
```

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(133, 182, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 182, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 39.8977, 0.3158, 0.4194 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(133, 182, 124) }
```

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

```
.border{ border-color:rgb(133, 182, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 182, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 182, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 182, 124); box-shadow:4px 4px 4px 4px rgb(133, 182, 124) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.8977, 0.3158, 0.4194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 182, 124) }
```

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

```
.background{ background-color: rgb(133,  
182, 124) }
```

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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