

# Converting Colors

$Yxy(39.2438, 0.3223, 0.4556)$

Have a look what the booklet for  
Yxy(39.2438, 0.3223, 0.4556)  
contains.

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# Color

**Yxy(39.1515, 0.3223, 0.4548)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CB768
RGB	124, 183, 104
RGB Percent	49%, 72%, 41%
CMY	0.5137, 0.2823, 0.5922
CMYK	0.32, 0.00, 0.43, 0.28
HSL	105°, 35%, 56%
HSV	105°, 43%, 72%
XYZ	27.7452, 39.1515, 19.1884
YIQ	156.3530, -9.8050, -37.0770

# Conversions

## Conversions Part 2

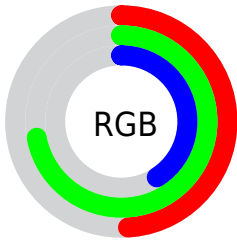
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 183, 163
Decimal	8173416
CIELab	68.86, -34.10, 34.18
CIELCh	69, 48.282, 134.931
Yxy	39.1515, 0.3223, 0.4548
Android (android.graphics.Color)	4286363496 (0xFF7CB768)
YUV	156.3530, -25.8100, -28.3736
Hunter-Lab	62.5712, -30.3493, 25.6177

# Details

The Yxy color **39.1515, 0.3223, 0.4548** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.1022, 0.2946, 0.2174**, and the grayscale version is **33.5341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7170, 0.3226, 0.4288**, and **17.6188, 0.3206, 0.4980** is the 20% darker color. If you saturate the color by 10%, you get **37.8722, 0.3228, 0.4876**, and if you desaturate by 10%, it is **40.6559, 0.3209, 0.4223**.

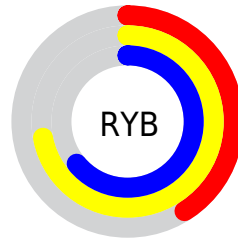
# Distribution



Red (49%)

Green (72%)

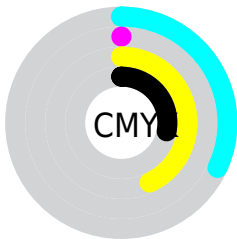
Blue (41%)



Red (41%)

Yellow (72%)

Blue (64%)

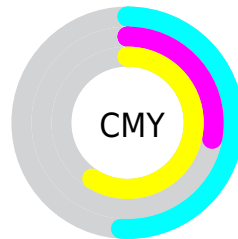


Cyan (32%)

Magenta (0%)

Yellow (43%)

Black (28%)



Cyan (51%)

Magenta (28%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1515, 0.3223, 0.4548 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 39.1515, 0.3223, 0.4548 by changing the saturation by 10% instead.





 39.1515, 0.3223,  
0.4548


 39.1515, 0.3223,  
0.4548

342.5342, 0.3199,  
0.3867


 26.8776, 0.3218,  
0.4734


 73.8697, 0.3221,  
0.4288


 17.4813, 0.3204,  
0.4980


 97.0828, 0.3218,  
0.4195

 10.5783, 0.3170,  
0.5321


 124.7111, 0.3215,  
0.4117

 5.7840, 0.3087,  
0.5813

 157.1390, 0.3212,  
0.4051

 2.7142, 0.3051,  
0.6949

194.7508, 0.3208,  
0.3995

 0.9844, 0.0922,  
0.9078

237.9310, 0.3205,

 0.0000, 0.0000,

0.3946

0.0000

287.0640, 0.3202,  
0.3904

■ 39.1515, 0.3223,  
0.4548

■ 39.1515, 0.3223,  
0.4548

■ 37.8722, 0.3228,  
0.4876

■ 40.6559, 0.3209,  
0.4223

■ 36.8020, 0.3222,  
0.5189

■ 42.3905, 0.3188,  
0.3913

■ 35.9305, 0.3204,  
0.5466

■ 44.3667, 0.3163,  
0.3626


■ 35.2441, 0.3173,  
0.5689

■ 46.5935, 0.3136,  
0.3367


■ 34.7277, 0.3133,  
0.5843

■ 49.0795, 0.3108,  
0.3135

 34.4574, 0.3104,  
0.5917

 51.8326, 0.3080,  
0.2929

 54.8608, 0.3053,  
0.2749

 58.1714, 0.3027,  
0.2591

 60.8580, 0.3098,  
0.2571

# Harmonies

## Analogous

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



39.1515, 0.3893, 0.4544



39.1515, 0.3223, 0.4548



39.1515, 0.2563, 0.4060

# Triad

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



39.1515, 0.3223, 0.4548



39.1515, 0.1967, 0.2298



39.1515, 0.4262, 0.3128

# Complementary

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



39.1515, 0.3223, 0.4548



21.1022, 0.2946, 0.2174

# 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.



39.1515, 0.3627, 0.2662



39.1515, 0.3223, 0.4548



39.1515, 0.2310, 0.2199

# Square

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



39.1515, 0.3223, 0.4548



39.1515, 0.1889, 0.2667



39.1515, 0.2897, 0.2333



39.1515, 0.4545, 0.3658



# Rectangle

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



39.1515, 0.3223, 0.4548



39.1515, 0.2218, 0.3563



39.1515, 0.2897, 0.2333



39.1515, 0.4079, 0.2962

# Sweetspot

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



39.1532, 0.3223, 0.4548



79.4433, 0.3163, 0.3628



36.8837, 0.3873, 0.4089



17.3658, 0.3169, 0.3689



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.



39.1532, 0.3223, 0.4548



67.8935, 0.3228, 0.4866



38.2261, 0.2943, 0.4297



10.1671, 0.3153, 0.3524



24.0657, 0.3111, 0.5912



0.8787, 0.3310, 0.5754



# Inverse Universe

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



21.1022, 0.2946, 0.2174



31.2275, 0.2889, 0.1930



22.6672, 0.3394, 0.2463



9.0451, 0.3098, 0.3062



6.1072, 0.2583, 0.1197



0.2429, 0.2753, 0.1290



# Previews

## White Background



This preview shows how the Yxy color 39.1515, 0.3223, 0.4548 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 39.1515, 0.3223, 0.4548 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

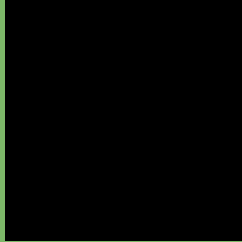
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.1515, 0.3223, 0.4548**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.1515, 0.3223, 0.4548.



This preview shows how white text looks on a background with the Yxy color 39.1515, 0.3223, 0.4548.

# 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

39.1515, 0.3223, 0.4548

### Protanopia

38.5866, 0.3895, 0.4228

### Deuteranopia

38.6632, 0.4025, 0.3948



## Tritanopia

38.8783, 0.2730, 0.3086

# Trichromacy



## Original Color

39.1515, 0.3223, 0.4548

## Protanomaly

38.4886, 0.3635, 0.4353

## Deuteranomaly

37.9510, 0.3712, 0.4157

## Tritanomaly

38.8651, 0.2913, 0.3596

# Monochromacy



## Original Color

39.1515, 0.3223, 0.4548

## Achromatopsia

33.2452, 0.3127, 0.3290

## Achromatomaly

35.0079, 0.3171, 0.3743

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.1515, 0.3223, 0.4548 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(124, 183, 104)` looks like.

```
.text, #text, p{  
    color:rgb(124, 183, 104)  
}
```

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(124, 183, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 183, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 39.1515, 0.3223, 0.4548 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(124, 183, 104) }
```

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

```
.border{ border-color:rgb(124, 183, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 183, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 183, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 183, 104);  
box-shadow:4px 4px 4px 4px rgb(124, 183,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.1515, 0.3223, 0.4548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 183, 104) }
```

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

```
.background{ background-color: rgb(124,  
183, 104) }
```

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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