

# Converting Colors

$Yxy(48.5359, 0.3233, 0.4119)$

Have a look what the booklet for  
Yxy(48.5359, 0.3233, 0.4119)  
contains.

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# Color

**Yxy(48.3539, 0.3236, 0.4122)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9CC489
RGB	156, 196, 137
RGB Percent	61%, 77%, 54%
CMY	0.3883, 0.2313, 0.4628
CMYK	0.20, 0.00, 0.30, 0.23
HSL	101°, 33%, 65%
HSV	101°, 30%, 77%
XYZ	37.9605, 48.3539, 30.9925
YIQ	177.3140, -4.9010, -26.8290

# Conversions

## Conversions Part 2

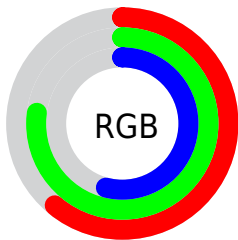
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">137, 196, 177</a>
Decimal	<a href="#">10273929</a>
CIELab	<a href="#">75.05, -24.23, 25.42</a>
CIELCh	<a href="#">75, 35.117, 133.632</a>
Yxy	<a href="#">48.3539, 0.3236, 0.4122</a>
Android (android.graphics.Color)	<a href="#">4288464009 (0xFF9CC489)</a>
YUV	<a href="#">177.3140, -19.8748, -18.6924</a>
Hunter-Lab	<a href="#">69.5370, -24.2458, 22.2505</a>

# Details

The Yxy color **48.3539, 0.3236, 0.4122** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.2224, 0.2974, 0.2506**, and the grayscale version is **44.2462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8610, 0.3220, 0.3962**, and **22.9772, 0.3250, 0.4366** is the 20% darker color. If you saturate the color by 10%, you get **46.5894, 0.3263, 0.4438**, and if you desaturate by 10%, it is **50.3700, 0.3203, 0.3822**.

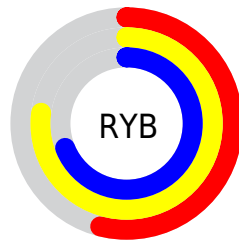
# Distribution



Red (61%)

Green (77%)

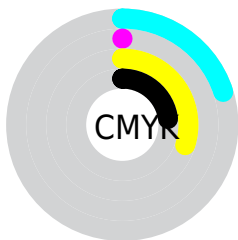
Blue (54%)



Red (54%)

Yellow (77%)

Blue (69%)

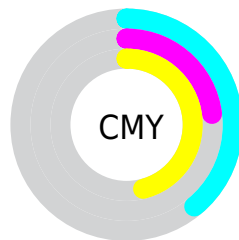


Cyan (20%)

Magenta (0%)

Yellow (30%)

Black (23%)



Cyan (39%)

Magenta (23%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3539, 0.3236, 0.4122 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 48.3539, 0.3236, 0.4122 by changing the saturation by 10% instead.





 48.3539, 0.3236,  
0.4122

 48.3539, 0.3236,  
0.4122

380.1932, 0.3192,  
0.3692


 34.1072, 0.3243,  
0.4233


 87.7311, 0.3223,  
0.3963

 22.9760, 0.3249,  
0.4378


 113.6304, 0.3217,  
0.3904

 14.5758, 0.3253,  
0.4574


 144.1827, 0.3212,  
0.3854

 8.5222, 0.3249,  
0.4851

179.7724, 0.3207,  
0.3812

 4.4309, 0.3220,  
0.5270

220.7840, 0.3203,  
0.3776

 1.9174, 0.3387,  
0.6488

267.6016, 0.3199,

 0.5588, 0.0000,

0.3744

1.0000

320.6099, 0.3195,  
0.3717

0.0000, 0.0000,  
0.0000

48.3539, 0.3236,  
0.4122

48.3539, 0.3236,  
0.4122

46.5894, 0.3263,  
0.4438

50.3700, 0.3203,  
0.3822

45.0599, 0.3280,  
0.4760

52.6409, 0.3166,  
0.3544

43.7567, 0.3284,  
0.5071


55.1778, 0.3128,  
0.3293


42.6677, 0.3274,  
0.5354


57.9893, 0.3089,  
0.3067


41.7799, 0.3247,  
0.5589


61.0834, 0.3051,  
0.2867

 41.0781, 0.3206,  
0.5762

 64.4681, 0.3015,  
0.2691

 40.5437, 0.3158,  
0.5874

 66.8524, 0.3110,  
0.2705

 67.9651, 0.3154,  
0.2713

# Harmonies

## Analogous

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



48.3539, 0.3694, 0.4143



48.3539, 0.3236, 0.4122



48.3539, 0.2769, 0.3814

# Triad

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



48.3539, 0.3236, 0.4122



48.3539, 0.2298, 0.2610



48.3539, 0.3880, 0.3178

# Complementary

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



48.3539, 0.3236, 0.4122



31.2224, 0.2974, 0.2506

# 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.



48.3539, 0.3452, 0.2837



48.3539, 0.3236, 0.4122



48.3539, 0.2545, 0.2515

# Square

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



48.3539, 0.3236, 0.4122



48.3539, 0.2252, 0.2897



48.3539, 0.2958, 0.2600



48.3539, 0.4089, 0.3564



# Rectangle

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



48.3539, 0.3236, 0.4122



48.3539, 0.2516, 0.3504



48.3539, 0.2958, 0.2600



48.3539, 0.3755, 0.3057

# Sweetspot

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



48.3560, 0.3236, 0.4122



95.7752, 0.3162, 0.3519



44.7254, 0.3645, 0.3802



20.3618, 0.3168, 0.3558



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

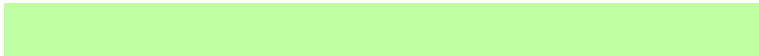


# Same Dimension

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



48.3560, 0.3236, 0.4122



85.4738, 0.3254, 0.4325



46.9031, 0.3020, 0.4011



11.4126, 0.3163, 0.3525



26.0892, 0.3167, 0.5867



1.1649, 0.3349, 0.5723



# Inverse Universe

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



31.2224, 0.2974, 0.2506



49.5684, 0.2931, 0.2329



33.1765, 0.3258, 0.2663



10.0799, 0.3087, 0.3059



5.8101, 0.2419, 0.1106



0.2868, 0.2600, 0.1206



# Previews

## White Background



This preview shows how the Yxy color 48.3539, 0.3236, 0.4122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

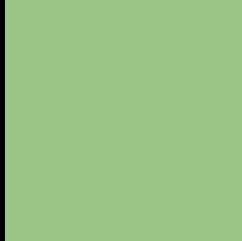
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.3539, 0.3236, 0.4122 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 48.3539, 0.3236, 0.4122**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.3539, 0.3236, 0.4122.



This preview shows how white text looks on a background with the Yxy color 48.3539, 0.3236, 0.4122.

# 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

48.3539, 0.3236, 0.4122

### Protanopia

47.9527, 0.3677, 0.3954

### Deuteranopia

47.9663, 0.3796, 0.3727



## Tritanopia

48.3852, 0.2845, 0.3094

# Trichromacy



## Original Color

48.3539, 0.3236, 0.4122

## Protanomaly

47.7549, 0.3510, 0.4008

## Deuteranomaly

47.6438, 0.3574, 0.3859

## Tritanomaly

48.1977, 0.2984, 0.3452

# Monochromacy



## Original Color

48.3539, 0.3236, 0.4122

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

45.3246, 0.3172, 0.3592

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.3539, 0.3236, 0.4122 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(156, 196, 137)` looks like.

```
.text, #text, p{  
    color:rgb(156, 196, 137)  
}
```

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(156, 196, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 196, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 48.3539, 0.3236, 0.4122 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(156, 196, 137) }
```

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

```
.border{ border-color:rgb(156, 196, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 196, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 196, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 196, 137);  
box-shadow:4px 4px 4px 4px rgb(156, 196,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.3539, 0.3236, 0.4122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 196, 137) }
```

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

```
.background{ background-color: rgb(156,  
196, 137) }
```

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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