

# Converting Colors

$Yxy(45.9854, 0.3057, 0.4231)$

Have a look what the booklet for  
Yxy(45.9854, 0.3057, 0.4231)  
contains.

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# Color

**Yxy(45.9191, 0.3061, 0.4236)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82C485
RGB	130, 196, 133
RGB Percent	51%, 77%, 52%
CMY	0.4901, 0.2314, 0.4785
CMYK	0.34, 0.00, 0.32, 0.23
HSL	123°, 36%, 64%
HSV	123°, 34%, 77%
XYZ	33.1819, 45.9191, 29.3011
YIQ	169.0840, -19.1130, -33.5850

# Conversions

## Conversions Part 2

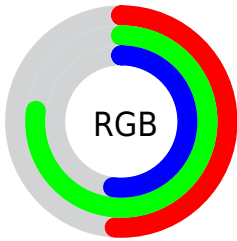
Format	Color
<a href="#">RYB</a>	<a href="#">130, 193, 196</a>
Decimal	<a href="#">8569989</a>
CIELab	<a href="#">73.49, -33.68, 25.18</a>
CIElCh	<a href="#">73, 42.049, 143.222</a>
Yxy	<a href="#">45.9191, 0.3061, 0.4236</a>
Android (android.graphics.Color)	<a href="#">4286760069</a> ( <a href="#">0xFF82C485</a> )
YUV	<a href="#">169.0840, -17.7894, -34.2767</a>
Hunter-Lab	<a href="#">67.7636, -31.1801, 21.7975</a>

# Details

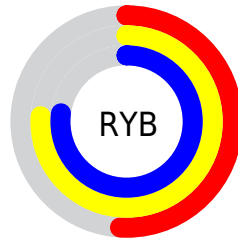
The Yxy color **45.9191, 0.3061, 0.4236** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.5600, 0.3195, 0.2497**, and the grayscale version is **39.8199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1527, 0.3080, 0.4043**, and **21.5483, 0.3014, 0.4543** is the 20% darker color. If you saturate the color by 10%, you get **44.0434, 0.3041, 0.4575**, and if you desaturate by 10%, it is **48.1861, 0.3082, 0.3919**.

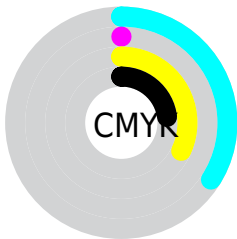
# Distribution



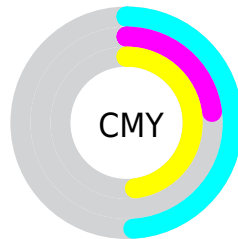
- Red (51%)
- Green (77%)
- Blue (52%)



- Red (51%)
- Yellow (76%)
- Blue (77%)



- Cyan (34%)
- Magenta (0%)
- Yellow (32%)
- Black (23%)




- Cyan (49%)
- Magenta (23%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9191, 0.3061, 0.4236 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 45.9191, 0.3061, 0.4236 by changing the saturation by 10% instead.





 45.9191, 0.3061,  
0.4236


 45.9191, 0.3061,  
0.4236


370.4833, 0.3108,  
0.3737


 32.1820, 0.3044,  
0.4368


 84.0979, 0.3082,  
0.4049

 21.5005, 0.3019,  
0.4543


 109.3084, 0.3088,  
0.3980

 13.4904, 0.2980,  
0.4783


 139.1121, 0.3094,  
0.3923

 7.7671, 0.2912,  
0.5131

173.8935, 0.3098,  
0.3874

 3.9463, 0.2782,  
0.5672

214.0369, 0.3101,  
0.3833

 1.6436, 0.2666,  
0.7334

259.9268, 0.3104,

 0.3867, 0.0000,

0.3797

1.0000

311.9474, 0.3106,  
0.3765

0.0000, 0.0000,  
0.0000

45.9191, 0.3061,  
0.4236

45.9191, 0.3061,  
0.4236

44.0434, 0.3041,  
0.4575

48.1861, 0.3082,  
0.3919

42.5315, 0.3022,  
0.4920

50.8586, 0.3102,  
0.3631

41.3615, 0.3007,  
0.5251


53.9571, 0.3121,  
0.3375


40.5067, 0.2997,  
0.5542


57.4993, 0.3138,  
0.3152


39.9365, 0.2992,  
0.5770

61.5015, 0.3154,  
0.2959

 39.6141, 0.2993,  
0.5919

 65.9795, 0.3168,  
0.2793

 39.4992, 0.2993,  
0.5974

 67.9599, 0.3154,  
0.2712

# Harmonies

## Analogous

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



45.9191, 0.3635, 0.4364



45.9191, 0.3061, 0.4236



45.9191, 0.2533, 0.3758

# Triad

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



45.9191, 0.3061, 0.4236



45.9191, 0.2204, 0.2411



45.9191, 0.4164, 0.3290

# Complementary

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



45.9191, 0.3061, 0.4236



31.5600, 0.3195, 0.2497

# 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.



45.9191, 0.3706, 0.2864



45.9191, 0.3061, 0.4236



45.9191, 0.2563, 0.2377

# Square

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



45.9191, 0.3061, 0.4236



45.9191, 0.2073, 0.2670



45.9191, 0.3105, 0.2541



45.9191, 0.4305, 0.3747



# Rectangle

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



45.9191, 0.3061, 0.4236



45.9191, 0.2275, 0.3351



45.9191, 0.3105, 0.2541



45.9191, 0.4040, 0.3141

# Sweetspot

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



45.9210, 0.3061, 0.4236



94.0099, 0.3108, 0.3538



52.5353, 0.3610, 0.4125



19.9558, 0.3106, 0.3575



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

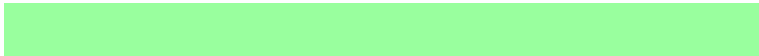


# Same Dimension

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



45.9210, 0.3061, 0.4236



80.7466, 0.3047, 0.4470



46.9522, 0.2847, 0.3739



11.2660, 0.3110, 0.3517



25.3834, 0.2991, 0.5967



1.0993, 0.2957, 0.5844



# Inverse Universe

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



31.5600, 0.3195, 0.2497



50.9707, 0.3211, 0.2340



30.2748, 0.3541, 0.2884



10.2395, 0.3144, 0.3073



9.8549, 0.3324, 0.1605



0.4283, 0.3296, 0.1589



# Previews

## White Background



This preview shows how the Yxy color 45.9191, 0.3061, 0.4236 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 45.9191, 0.3061, 0.4236 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

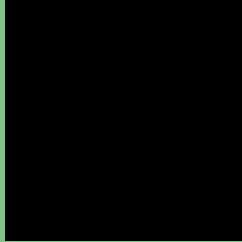
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.9191, 0.3061, 0.4236**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.9191, 0.3061, 0.4236.



This preview shows how white text looks on a background with the Yxy color 45.9191, 0.3061, 0.4236.

# 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

45.9191, 0.3061, 0.4236

### Protanopia

45.6182, 0.3705, 0.3992

### Deuteranopia

45.1889, 0.3796, 0.3712



## Tritanopia

45.6446, 0.2686, 0.3084

# Trichromacy



**Original Color**

45.9191, 0.3061, 0.4236

**Protanomaly**

45.3607, 0.3446, 0.4080

**Deuteranomaly**

44.7704, 0.3506, 0.3898

**Tritanomaly**

45.4045, 0.2819, 0.3475

# Monochromacy



**Original Color**

45.9191, 0.3061, 0.4236

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

41.6091, 0.3103, 0.3623

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  45.9191, 0.3061, 0.4236 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(130, 196, 133)` looks like.

```
.text, #text, p{  
    color:rgb(130, 196, 133)  
}
```

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(130, 196, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 196, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 45.9191, 0.3061, 0.4236 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(130, 196, 133) }
```

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

```
.border{ border-color:rgb(130, 196, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 196, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 196, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 196, 133); box-shadow:4px 4px 4px 4px rgb(130, 196, 133) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.9191, 0.3061, 0.4236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 196, 133) }
```

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

```
.background{ background-color: rgb(130,  
196, 133) }
```

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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