

# Converting Colors

$Yxy(45.3430, 0.3067, 0.4229)$

Have a look what the booklet for  
Yxy(45.3430, 0.3067, 0.4229)  
contains.

<b>Yxy(45.4420, 0.3068, 0.4239)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(45.4420, 0.3068, 0.4239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82C384
RGB	130, 195, 132
RGB Percent	51%, 76%, 52%
CMY	0.4901, 0.2353, 0.4823
CMYK	0.33, 0.00, 0.32, 0.24
HSL	122°, 35%, 64%
HSV	122°, 33%, 76%
XYZ	32.8889, 45.4420, 28.8689
YIQ	168.3830, -18.5170, -33.3730

# Conversions

## Conversions Part 2

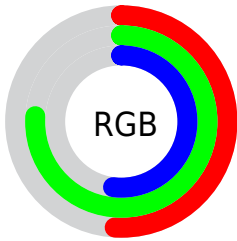
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 193, 195
Decimal	8569732
CIELab	73.18, -33.38, 25.28
CIElCh	73, 41.869, 142.864
Yxy	45.4420, 0.3068, 0.4239
Android (android.graphics.Color)	4286759812 (0xFF82C384)
YUV	168.3830, -17.9368, -33.6619
Hunter-Lab	67.4107, -30.8806, 21.7963

# Details

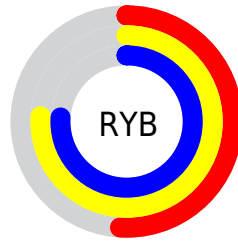
The Yxy color  $45.4420, 0.3068, 0.4239$  is a light color, and the websafe version is hex  $99CC99$ . A complement of this color would be  $31.4252, 0.3185, 0.2495$ , and the grayscale version is  $39.4563, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.4379, 0.3091, 0.4057$ , and  $21.2367, 0.3022, 0.4549$  is the 20% darker color. If you saturate the color by 10%, you get  $43.5733, 0.3049, 0.4582$ , and if you desaturate by 10%, it is  $47.7006, 0.3087, 0.3918$ .

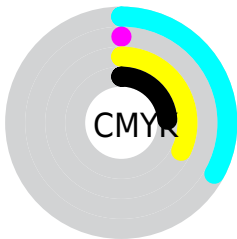
# Distribution



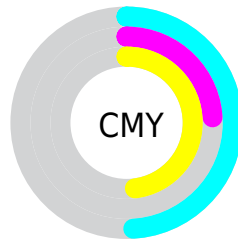
- Red (51%)
- Green (76%)
- Blue (52%)



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



- Cyan (33%)
- Magenta (0%)
- Yellow (32%)
- Black (24%)



- Cyan (49%)
- Magenta (24%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4420, 0.3068, 0.4239 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 45.4420, 0.3068, 0.4239 by changing the saturation by 10% instead.





 45.4420, 0.3068,  
0.4239

 45.4420, 0.3068,  
0.4239


368.5607, 0.3112,  
0.3738


 31.8057, 0.3052,  
0.4372


 83.3833, 0.3088,  
0.4051

 21.2131, 0.3028,  
0.4548


 108.4571, 0.3094,  
0.3982

 13.2799, 0.2989,  
0.4790


 138.1122, 0.3099,  
0.3924

 7.6216, 0.2923,  
0.5141

172.7329, 0.3102,  
0.3876

 3.8538, 0.2793,  
0.5689

212.7038, 0.3105,  
0.3834

 1.5921, 0.2644,  
0.7356

258.4091, 0.3108,

 0.3523, 0.0000,

0.3798

1.0000

310.2333, 0.3110,  
0.3766

0.0000, 0.0000,  
0.0000

45.4420, 0.3068,  
0.4239

45.4420, 0.3068,  
0.4239

43.5733, 0.3049,  
0.4582

47.7006, 0.3087,  
0.3918

42.0671, 0.3031,  
0.4930

50.3632, 0.3105,  
0.3627

40.9015, 0.3016,  
0.5264


53.4503, 0.3122,  
0.3368


40.0500, 0.3004,  
0.5556

56.9793, 0.3137,  
0.3143


39.4821, 0.2998,  
0.5782

60.9668, 0.3151,  
0.2948

 39.1613, 0.2996,  
0.5927

 65.4282, 0.3163,  
0.2781

 39.0430, 0.2995,  
0.5982

 67.5100, 0.3155,  
0.2703

# Harmonies

## Analogous

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



45.4420, 0.3642, 0.4362



45.4420, 0.3068, 0.4239



45.4420, 0.2539, 0.3764

# Triad

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



45.4420, 0.3068, 0.4239



45.4420, 0.2202, 0.2413



45.4420, 0.4159, 0.3284

# Complementary

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



45.4420, 0.3068, 0.4239



31.4252, 0.3185, 0.2495

# 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.



45.4420, 0.3699, 0.2860



45.4420, 0.3068, 0.4239



45.4420, 0.2558, 0.2377

# Square

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



45.4420, 0.3068, 0.4239



45.4420, 0.2073, 0.2675



45.4420, 0.3098, 0.2539



45.4420, 0.4304, 0.3741



# Rectangle

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



45.4420, 0.3068, 0.4239



45.4420, 0.2279, 0.3358



45.4420, 0.3098, 0.2539



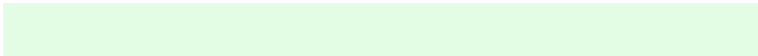
45.4420, 0.4034, 0.3136

# Sweetspot

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



45.4439, 0.3068, 0.4239



91.8680, 0.3111, 0.3541



52.1007, 0.3614, 0.4114



19.9509, 0.3108, 0.3579



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

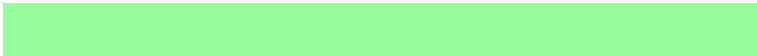


# Same Dimension

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



45.4439, 0.3068, 0.4239



78.8795, 0.3054, 0.4488



46.4436, 0.2857, 0.3750



11.2637, 0.3112, 0.3520



25.3783, 0.2994, 0.5977



1.0983, 0.2970, 0.5893



# Inverse Universe

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



31.4252, 0.3185, 0.2495



49.9272, 0.3199, 0.2328



30.1625, 0.3523, 0.2875



10.2421, 0.3142, 0.3070



9.9327, 0.3286, 0.1584



0.4309, 0.3267, 0.1574



# Previews

## White Background



This preview shows how the Yxy color 45.4420, 0.3068, 0.4239 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 45.4420, 0.3068, 0.4239 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 45.4420, 0.3068, 0.4239**

## Background



This preview shows how black text looks on a background with the Yxy color 45.4420, 0.3068, 0.4239.



This preview shows how white text looks on a background with the Yxy color 45.4420, 0.3068, 0.4239.

# 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

45.4420, 0.3068, 0.4239

### Protanopia

45.0583, 0.3708, 0.3996

### Deuteranopia

45.0128, 0.3795, 0.3726



## Tritanopia

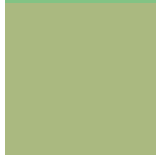
45.1745, 0.2691, 0.3084

# Trichromacy



## Original Color

45.4420, 0.3068, 0.4239



## Protanomaly

44.8025, 0.3448, 0.4084



## Deuteranomaly

44.2155, 0.3508, 0.3902



## Tritanomaly

44.9331, 0.2825, 0.3476

# Monochromacy



## Original Color

45.4420, 0.3068, 0.4239



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

41.0774, 0.3103, 0.3625

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.4420, 0.3068, 0.4239 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, 195, 132)` looks like.

```
.text, #text, p{  
    color:rgb(130, 195, 132)  
}
```

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, 195, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 195, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 45.4420, 0.3068, 0.4239 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, 195, 132) }
```

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

```
.border{ border-color:rgb(130, 195, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 195, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 195, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 195, 132);  
box-shadow:4px 4px 4px 4px rgb(130, 195,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.4420, 0.3068, 0.4239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 195, 132) }
```

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

```
.background{ background-color: rgb(130,  
195, 132) }
```

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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