

# Converting Colors

$Yxy(49.4050, 0.3062, 0.4082)$

Have a look what the booklet for  
Yxy(49.4050, 0.3062, 0.4082)  
contains.

<b>Yxy(49.5684, 0.3067, 0.4093)</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(49.5684, 0.3067, 0.4093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EC991
RGB	142, 201, 145
RGB Percent	56%, 79%, 57%
CMY	0.4434, 0.2117, 0.4314
CMYK	0.29, 0.00, 0.28, 0.21
HSL	123°, 35%, 67%
HSV	123°, 29%, 79%
XYZ	37.1430, 49.5684, 34.3939
YIQ	176.9750, -17.1880, -29.9240

# Conversions

## Conversions Part 2

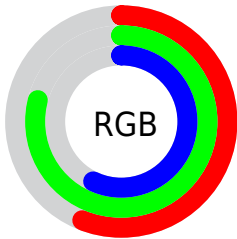
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 198, 201
Decimal	9357713
CIELab	75.80, -30.15, 22.07
CIELCh	76, 37.369, 143.794
Yxy	49.5684, 0.3067, 0.4093
Android (android.graphics.Color)	4287547793 (0xFF8EC991)
YUV	176.9750, -15.7637, -30.6731
Hunter-Lab	70.4048, -29.0384, 20.3193

# Details

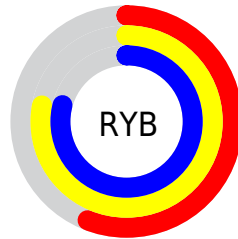
The Yxy color **49.5684, 0.3067, 0.4093** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.8201, 0.3190, 0.2600**, and the grayscale version is **44.0368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5138, 0.3086, 0.3909**, and **23.8492, 0.3040, 0.4349** is the 20% darker color. If you saturate the color by 10%, you get **47.4115, 0.3046, 0.4422**, and if you desaturate by 10%, it is **52.1487, 0.3088, 0.3789**.

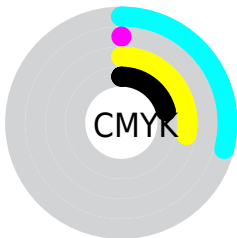
# Distribution



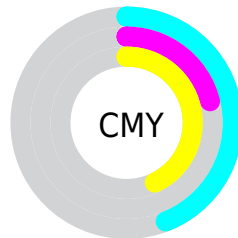
- Red (56%)
- Green (79%)
- Blue (57%)



- Red (56%)
- Yellow (78%)
- Blue (79%)



- Cyan (29%)
- Magenta (0%)
- Yellow (28%)
- Black (21%)



- Cyan (44%)
- Magenta (21%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5684, 0.3067, 0.4093 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 49.5684, 0.3067, 0.4093 by changing the saturation by 10% instead.





 49.5684, 0.3067,  
0.4093

 49.5684, 0.3067,  
0.4093


384.9757, 0.3107,  
0.3677

 35.0706, 0.3054,  
0.4201

 89.5351, 0.3084,  
0.3939

 23.7173, 0.3035,  
0.4342


 115.7727, 0.3090,  
0.3882

 15.1240, 0.3006,  
0.4534

146.6924, 0.3094,  
0.3834

 8.9065, 0.2958,  
0.4808

182.6786, 0.3098,  
0.3793

 4.6802, 0.2869,  
0.5229

224.1156, 0.3101,  
0.3758

 2.0609, 0.2773,  
0.6148

271.3879, 0.3103,

 0.6425, 0.0000,

0.3728

1.0000

324.8798, 0.3105,  
0.3701

0.0000, 0.0000,  
0.0000

49.5684, 0.3067,  
0.4093

49.5684, 0.3067,  
0.4093

47.4115, 0.3046,  
0.4422

52.1487, 0.3088,  
0.3789

45.6495, 0.3026,  
0.4765

55.1667, 0.3109,  
0.3517

44.2604, 0.3009,  
0.5104

58.6436, 0.3128,  
0.3276

43.2172, 0.2997,  
0.5416

62.5975, 0.3146,  
0.3068

42.4896, 0.2990,  
0.5674

67.0454, 0.3162,  
0.2887

■ 42.0418, 0.2990,  
0.5860

■ 70.2619, 0.3152,  
0.2762

■ 41.8153, 0.2992,  
0.5966

■ 41.8048, 0.2992,  
0.5971

# Harmonies

## Analogous

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



49.5684, 0.3568, 0.4218



49.5684, 0.3067, 0.4093



49.5684, 0.2605, 0.3684

# Triad

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



49.5684, 0.3067, 0.4093



49.5684, 0.2321, 0.2518



49.5684, 0.4029, 0.3306

# Complementary

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



49.5684, 0.3067, 0.4093



35.8201, 0.3190, 0.2600

# 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.



49.5684, 0.3639, 0.2925



49.5684, 0.3067, 0.4093



49.5684, 0.2644, 0.2487

# Square

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



49.5684, 0.3067, 0.4093



49.5684, 0.2200, 0.2749



49.5684, 0.3121, 0.2635



49.5684, 0.4149, 0.3709



# Rectangle

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



49.5684, 0.3067, 0.4093



49.5684, 0.2378, 0.3338



49.5684, 0.3121, 0.2635



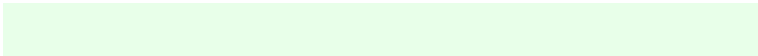
49.5684, 0.3924, 0.3173

# Sweetspot

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



49.5705, 0.3067, 0.4093



94.5811, 0.3109, 0.3510



55.7472, 0.3542, 0.4023



20.0700, 0.3107, 0.3548



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

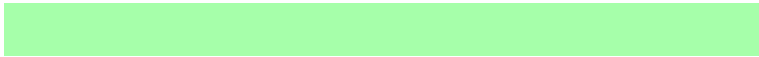


# Same Dimension

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



49.5705, 0.3067, 0.4093



82.5165, 0.3054, 0.4291



50.5991, 0.2873, 0.3660



11.8966, 0.3109, 0.3516



26.2840, 0.2989, 0.5962



1.2477, 0.2953, 0.5830



# Inverse Universe

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



35.8201, 0.3190, 0.2600



55.3673, 0.3204, 0.2459



34.5915, 0.3485, 0.2949



10.8068, 0.3146, 0.3074



10.1655, 0.3342, 0.1615

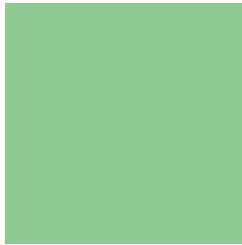


0.4843, 0.3312, 0.1598



# Previews

## White Background



This preview shows how the Yxy color 49.5684, 0.3067, 0.4093 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 49.5684, 0.3067, 0.4093 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 49.5684, 0.3067, 0.4093**

## Background



This preview shows how black text looks on a background with the Yxy color 49.5684, 0.3067, 0.4093.



This preview shows how white text looks on a background with the Yxy color 49.5684, 0.3067, 0.4093.

# 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

49.5684, 0.3067, 0.4093

### Protanopia

49.2321, 0.3639, 0.3897

### Deuteranopia

49.1939, 0.3718, 0.3640



## Tritanopia

49.5640, 0.2732, 0.3092

# Trichromacy



**Original Color**

49.5684, 0.3067, 0.4093

**Protanomaly**

48.7684, 0.3412, 0.3959

**Deuteranomaly**

48.6259, 0.3464, 0.3798

**Tritanomaly**

49.4667, 0.2856, 0.3439

# Monochromacy



**Original Color**

49.5684, 0.3067, 0.4093

**Achromatopsia**

43.9657, 0.3127, 0.3290

**Achromatomaly**

45.7269, 0.3105, 0.3580

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.5684, 0.3067, 0.4093 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(142, 201, 145)` looks like.

```
.text, #text, p{  
    color:rgb(142, 201, 145)  
}
```

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(142, 201, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 201, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 49.5684, 0.3067, 0.4093 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(142, 201, 145) }
```

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

```
.border{ border-color:rgb(142, 201, 145) }
```

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

Here you see how a box with a 4 pixel rgb(142, 201, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 201, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 201, 145);  
box-shadow:4px 4px 4px 4px rgb(142, 201,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.5684, 0.3067, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 201, 145) }
```

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

```
.background{ background-color: rgb(142,  
201, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor