

# Converting Colors

$Y_{xy}(45.3115, 0.2949, 0.3586)$

Have a look what the booklet for  
Yxy(45.3115, 0.2949, 0.3586)  
contains.

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# Color

**Yxy(45.4254, 0.2947, 0.3589)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	93BDA8
RGB	147, 189, 168
RGB Percent	58%, 74%, 66%
CMY	0.4235, 0.2588, 0.3412
CMYK	0.22, 0.00, 0.11, 0.26
HSL	150°, 24%, 66%
HSV	150°, 22%, 74%
XYZ	37.2997, 45.4254, 43.8433
YIQ	174.0480, -18.2910, -15.4350

# Conversions

## Conversions Part 2

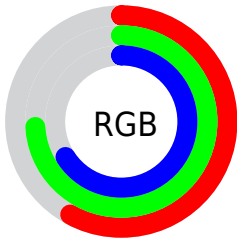
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 175, 189
Decimal	9682344
CIELab	73.17, -18.29, 6.06
CIELCh	73, 19.269, 161.683
Yxy	45.4254, 0.2947, 0.3589
Android (android.graphics.Color)	4287872424 (0xFF93BDA8)
YUV	174.0480, -2.9817, -23.7211
Hunter-Lab	67.3984, -19.1614, 8.6101

# Details

The Yxy color **45.4254, 0.2947, 0.3589** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.5204, 0.3356, 0.3009**, and the grayscale version is **42.3783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1891, 0.2984, 0.3530**, and **21.3022, 0.2888, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **43.4811, 0.2873, 0.3747**, and if you desaturate by 10%, it is **47.6862, 0.3027, 0.3446**.

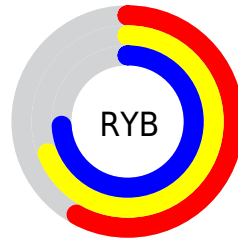
# Distribution



Red (58%)

Green (74%)

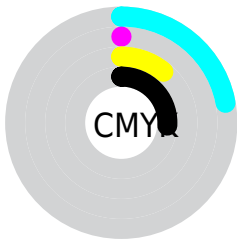
Blue (66%)



Red (58%)

Yellow (69%)

Blue (74%)

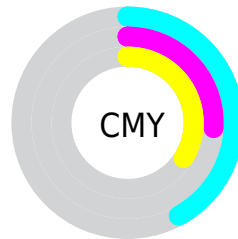


Cyan (22%)

Magenta (0%)

Yellow (11%)

Black (26%)



Cyan (42%)

Magenta (26%)

Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4254, 0.2947, 0.3589 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 45.4254, 0.2947, 0.3589 by changing the saturation by 10% instead.




 45.4254, 0.2947,  
0.3589

 45.4254, 0.2947,  
0.3589


368.4937, 0.3039,  
0.3436

 31.7926, 0.2923,  
0.3629


 83.3584, 0.2981,  
0.3532

 21.2032, 0.2893,  
0.3680


 108.4274, 0.2993,  
0.3511

 13.2726, 0.2851,  
0.3750


138.0773, 0.3004,  
0.3494

 7.6165, 0.2792,  
0.3851


172.6925, 0.3013,  
0.3479

 3.8506, 0.2700,  
0.4008

212.6573, 0.3021,  
0.3466

 1.5903, 0.2541,  
0.4284

258.3562, 0.3028,

 0.3511, 0.0000,

0.3454

1.0000

310.1735, 0.3034,  
0.3445

0.0000, 0.0000,  
0.0000

45.4254, 0.2947,  
0.3589

45.4254, 0.2947,  
0.3589

43.4811, 0.2873,  
0.3747

47.6862, 0.3027,  
0.3446

41.8331, 0.2807,  
0.3919

50.2714, 0.3109,  
0.3317

40.4675, 0.2752,  
0.4102

53.1956, 0.3192,  
0.3202

39.3671, 0.2712,  
0.4293

56.4709, 0.3274,  
0.3100

38.5127, 0.2689,  
0.4489

60.1088, 0.3354,  
0.3011

■ 37.8824, 0.2686,  
0.4683

■ 63.0777, 0.3388,  
0.2928

■ 37.4499, 0.2703,  
0.4871

■ 63.6076, 0.3314,  
0.2836

■ 37.2114, 0.2725,  
0.5011

■ 64.1665, 0.3241,  
0.2747

■ 64.7548, 0.3171,  
0.2660

# Harmonies

## Analogous

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



45.4254, 0.3216, 0.3746



45.4254, 0.2947, 0.3589



45.4254, 0.2732, 0.3343

# Triad

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



45.4254, 0.2947, 0.3589



45.4254, 0.2783, 0.2840



45.4254, 0.3660, 0.3448

# Complementary

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



45.4254, 0.2947, 0.3589



34.5204, 0.3356, 0.3009

# 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.



45.4254, 0.3534, 0.3220



45.4254, 0.2947, 0.3589



45.4254, 0.3020, 0.2879

# Square

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



45.4254, 0.2947, 0.3589



45.4254, 0.2641, 0.2914



45.4254, 0.3296, 0.3016



45.4254, 0.3635, 0.3649



# Rectangle

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



45.4254, 0.2947, 0.3589



45.4254, 0.2646, 0.3172



45.4254, 0.3296, 0.3016



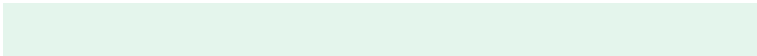
45.4254, 0.3634, 0.3373

# Sweetspot

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



45.4273, 0.2947, 0.3589



87.6921, 0.3068, 0.3378



46.9058, 0.3280, 0.3869



18.7984, 0.3063, 0.3386



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

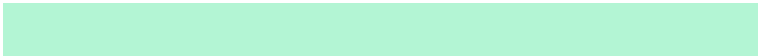


# Same Dimension

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



45.4273, 0.2947, 0.3589



79.4719, 0.2907, 0.3670



46.2443, 0.2806, 0.3299



10.7270, 0.3050, 0.3407



25.0521, 0.2719, 0.4989



0.9945, 0.2596, 0.4547



# Inverse Universe

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



34.5204, 0.3356, 0.3009



56.2406, 0.3424, 0.2940



33.8215, 0.3566, 0.3282



9.6139, 0.3212, 0.3176



7.8455, 0.4933, 0.2491



0.3205, 0.4413, 0.2205



# Previews

## White Background



This preview shows how the Yxy color 45.4254, 0.2947, 0.3589 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

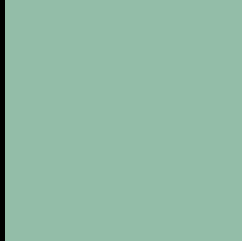
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.4254, 0.2947, 0.3589 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

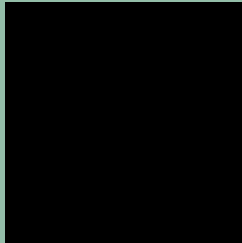
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

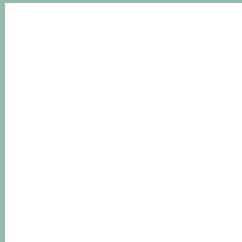
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.4254, 0.2947, 0.3589**

## Background



This preview shows how black text looks on a background with the Yxy color 45.4254, 0.2947, 0.3589.



This preview shows how white text looks on a background with the Yxy color 45.4254, 0.2947, 0.3589.

# 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

45.4254, 0.2947, 0.3589

### Protanopia

45.2879, 0.3329, 0.3515

### Deuteranopia

44.9695, 0.3381, 0.3316



## Tritanopia

45.1768, 0.2773, 0.3086

# Trichromacy



## Original Color

45.4254, 0.2947, 0.3589

## Protanomaly

45.3180, 0.3183, 0.3549

## Deuteranomaly

44.8458, 0.3209, 0.3410

## Tritanomaly

45.3280, 0.2835, 0.3262

# Monochromacy



## Original Color

45.4254, 0.2947, 0.3589

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

43.1113, 0.3054, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.4254, 0.2947, 0.3589 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(147, 189, 168)` looks like.

```
.text, #text, p{  
    color:rgb(147, 189, 168)  
}
```

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(147, 189, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 189, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 45.4254, 0.2947, 0.3589 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(147, 189, 168) }
```

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

```
.border{ border-color:rgb(147, 189, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 189, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 189, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 189, 168);  
box-shadow:4px 4px 4px 4px rgb(147, 189,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.4254, 0.2947, 0.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 189, 168) }
```

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

```
.background{ background-color: rgb(147,  
189, 168) }
```

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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