

# Converting Colors

$Yxy(45.3335, 0.3344, 0.3883)$

Have a look what the booklet for  
Yxy(45.3335, 0.3344, 0.3883)  
contains.

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# Color

**Yxy(45.3088, 0.3347, 0.3885)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABB98E
RGB	171, 185, 142
RGB Percent	67%, 73%, 56%
CMY	0.3292, 0.2745, 0.4431
CMYK	0.08, 0.00, 0.23, 0.27
HSL	79°, 23%, 64%
HSV	79°, 23%, 73%
XYZ	39.0344, 45.3088, 32.2818
YIQ	175.9120, 5.4590, -16.3410

# Conversions

## Conversions Part 2

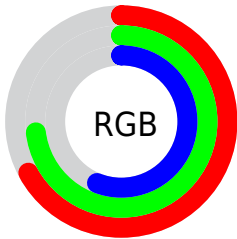
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 185, 156
Decimal	11254158
CIELab	73.09, -12.37, 20.25
CIELCh	73, 23.732, 121.428
Yxy	45.3088, 0.3347, 0.3885
Android (android.graphics.Color)	4289444238 (0xFFABB98E)
YUV	175.9120, -16.7186, -4.3078
Hunter-Lab	67.3118, -14.2828, 18.6836

# Details

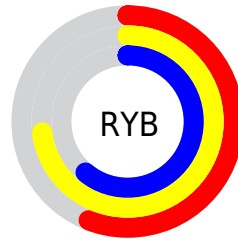
The Yxy color  $45.3088, 0.3347, 0.3885$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $29.9135, 0.2868, 0.2670$ , and the grayscale version is  $43.4594, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.2270, 0.3311, 0.3770$ , and  $21.1094, 0.3402, 0.4078$  is the 20% darker color. If you saturate the color by 10%, you get  $44.1416, 0.3438, 0.4159$ , and if you desaturate by 10%, it is  $46.6028, 0.3252, 0.3619$ .

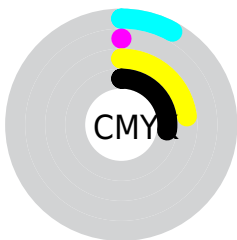
# Distribution



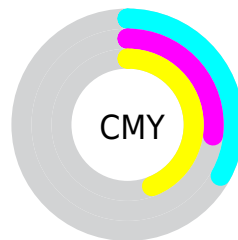
- Red (67%)
- Green (73%)
- Blue (56%)



- Red (56%)
- Yellow (73%)
- Blue (61%)



- Cyan (8%)
- Magenta (0%)
- Yellow (23%)
- Black (27%)




- Cyan (33%)
- Magenta (27%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3088, 0.3347, 0.3885 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 45.3088, 0.3347, 0.3885 by changing the saturation by 10% instead.





 45.3088, 0.3347,  
0.3885


 45.3088, 0.3347,  
0.3885


368.0228, 0.3241,  
0.3579

 31.7007, 0.3372,  
0.3964


 83.1836, 0.3310,  
0.3772

 21.1330, 0.3403,  
0.4066


 108.2191, 0.3295,  
0.3730

 13.2213, 0.3441,  
0.4204


137.8326, 0.3283,  
0.3695

 7.5811, 0.3491,  
0.4400

172.4084, 0.3272,  
0.3665

 3.8281, 0.3552,  
0.4697

212.3309, 0.3263,  
0.3639

 1.5779, 0.3868,  
0.5558

257.9845, 0.3255,

 0.3426, 0.0643,

0.3617

0.9357

309.7537, 0.3248,  
0.3597

0.0000, 0.0000,  
0.0000

45.3088, 0.3347,  
0.3885

45.3088, 0.3347,  
0.3885

44.1416, 0.3438,  
0.4159

46.6028, 0.3252,  
0.3619

43.0902, 0.3520,  
0.4434

48.0223, 0.3158,  
0.3368

42.1514, 0.3589,  
0.4699

49.5736, 0.3065,  
0.3134

41.3192, 0.3641,  
0.4943

51.2608, 0.2976,  
0.2919

40.5873, 0.3670,  
0.5153

53.0878, 0.2891,  
0.2723

■ 39.9481, 0.3675,  
0.5320

■ 55.0585, 0.2813,  
0.2546

■ 39.3930, 0.3655,  
0.5438

■ 56.0675, 0.2844,  
0.2537

■ 39.0534, 0.3632,  
0.5498

■ 56.9817, 0.2888,  
0.2546

■ 57.9294, 0.2932,  
0.2556

# Harmonies

## Analogous

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



45.3088, 0.3633, 0.3840



45.3088, 0.3347, 0.3885



45.3088, 0.3012, 0.3747

# Triad

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



45.3088, 0.3347, 0.3885



45.3088, 0.2508, 0.2887



45.3088, 0.3540, 0.3111

# Complementary

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



45.3088, 0.3347, 0.3885



29.9135, 0.2868, 0.2670

# 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.



45.3088, 0.3217, 0.2888



45.3088, 0.3347, 0.3885



45.3088, 0.2630, 0.2755

# Square

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



45.3088, 0.3347, 0.3885



45.3088, 0.2539, 0.3143



45.3088, 0.2884, 0.2759



45.3088, 0.3752, 0.3384



# Rectangle

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



45.3088, 0.3347, 0.3885



45.3088, 0.2808, 0.3569



45.3088, 0.2884, 0.2759



45.3088, 0.3440, 0.3029

# Sweetspot

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



45.3108, 0.3347, 0.3885



85.0033, 0.3194, 0.3463



35.9157, 0.3557, 0.3480



18.2923, 0.3200, 0.3478



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

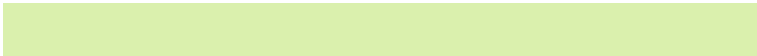


# Same Dimension

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



45.3108, 0.3347, 0.3885



80.0397, 0.3395, 0.4028



43.1207, 0.3163, 0.3920



10.3534, 0.3215, 0.3519



26.6355, 0.3640, 0.5492



0.9709, 0.3787, 0.5375



# Inverse Universe

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



29.9135, 0.2868, 0.2670



47.5173, 0.2798, 0.2514



32.2108, 0.3075, 0.2707



8.8571, 0.3033, 0.3057



3.0747, 0.1745, 0.0735



0.1428, 0.2052, 0.0904



# Previews

## White Background



This preview shows how the Yxy color 45.3088, 0.3347, 0.3885 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 45.3088, 0.3347, 0.3885 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

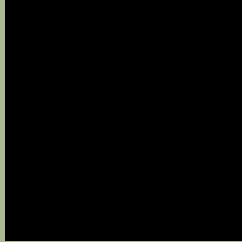
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

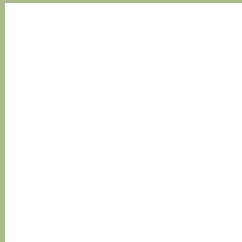
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.3088, 0.3347, 0.3885**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.3088, 0.3347, 0.3885.



This preview shows how white text looks on a background with the Yxy color 45.3088, 0.3347, 0.3885.

# 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

45.3088, 0.3347, 0.3885

### Protanopia

45.1806, 0.3571, 0.3817

### Deuteranopia

44.9593, 0.3703, 0.3629



## Tritanopia

45.1115, 0.3017, 0.3107

# Trichromacy



## Original Color

45.3088, 0.3347, 0.3885

## Protanomaly

45.1315, 0.3491, 0.3840

## Deuteranomaly

45.0600, 0.3572, 0.3720

## Tritanomaly

45.2177, 0.3131, 0.3384

# Monochromacy



## Original Color

45.3088, 0.3347, 0.3885

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

43.9192, 0.3205, 0.3495

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.3088, 0.3347, 0.3885 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(171, 185, 142)` looks like.

```
.text, #text, p{  
    color:rgb(171, 185, 142)  
}
```

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(171, 185, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 185, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 45.3088, 0.3347, 0.3885 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(171, 185, 142) }
```

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

```
.border{ border-color:rgb(171, 185, 142) }
```

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

Here you see how a box with a 4 pixel rgb(171, 185, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 185, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 185, 142);  
box-shadow:4px 4px 4px 4px rgb(171, 185,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.3088, 0.3347, 0.3885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 185, 142) }
```

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

```
.background{ background-color: rgb(171,  
185, 142) }
```

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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