

# Converting Colors

$Y_{xy}(45.8268, 0.2965, 0.3416)$

Have a look what the booklet for  
Yxy(45.8268, 0.2965, 0.3416)  
contains.

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# Color

**Yxy(45.9841, 0.2967, 0.3427)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EBBB1
RGB	158, 187, 177
RGB Percent	62%, 73%, 69%
CMY	0.3803, 0.2667, 0.3058
CMYK	0.15, 0.00, 0.05, 0.27
HSL	159°, 18%, 68%
HSV	159°, 15%, 73%
XYZ	39.8117, 45.9841, 48.3860
YIQ	177.1890, -14.0740, -9.2580

# Conversions

## Conversions Part 2

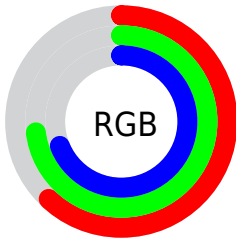
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 176, 187
Decimal	10402737
CIELab	73.54, -11.82, 1.75
CIELCh	74, 11.951, 171.583
Yxy	45.9841, 0.2967, 0.3427
Android (android.graphics.Color)	4288592817 (0xFF9EBB1)
YUV	177.1890, -0.0932, -16.8288
Hunter-Lab	67.8116, -13.8741, 5.1626

# Details

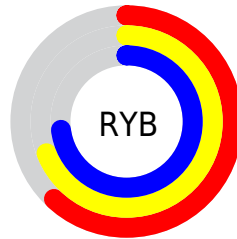
The Yxy color  $45.9841, 0.2967, 0.3427$  is a light color, and the websafe version is hex  $99CCCC$ . A complement of this color would be  $37.8524, 0.3319, 0.3157$ , and the grayscale version is  $44.0805, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $84.1305, 0.2995, 0.3396$ , and  $21.5696, 0.2923, 0.3482$  is the 20% darker color. If you saturate the color by 10%, you get  $43.9808, 0.2870, 0.3527$ , and if you desaturate by 10%, it is  $48.2919, 0.3070, 0.3336$ .

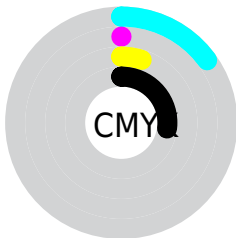
# Distribution



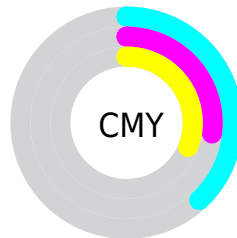
- Red (62%)
- Green (73%)
- Blue (69%)



- Red (62%)
- Yellow (69%)
- Blue (73%)



- Cyan (15%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)




- Cyan (38%)
- Magenta (27%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9841, 0.2967, 0.3427 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 45.9841, 0.2967, 0.3427 by changing the saturation by 10% instead.





 45.9841, 0.2967,  
0.3427

 45.9841, 0.2967,  
0.3427


370.7447, 0.3048,  
0.3358

 32.2333, 0.2947,  
0.3444


 84.1952, 0.2996,  
0.3402

 21.5397, 0.2921,  
0.3467

 109.4243, 0.3007,  
0.3392

 13.5191, 0.2886,  
0.3498


139.2482, 0.3017,  
0.3384

 7.7870, 0.2837,  
0.3541

174.0514, 0.3025,  
0.3378

 3.9589, 0.2762,  
0.3606

214.2183, 0.3031,  
0.3372

 1.6506, 0.2638,  
0.3718

260.1332, 0.3038,

 0.3914, 0.1071,

0.3366

0.5027

312.1805, 0.3043,  
0.3362

0.0000, 0.0000,  
0.0000

45.9841, 0.2967,  
0.3427

45.9841, 0.2967,  
0.3427

43.9808, 0.2870,  
0.3527

48.2919, 0.3070,  
0.3336

42.2631, 0.2780,  
0.3636

50.9107, 0.3175,  
0.3254

40.8187, 0.2702,  
0.3753

53.8542, 0.3281,  
0.3181

39.6323, 0.2638,  
0.3877

57.1333, 0.3386,  
0.3117

38.6868, 0.2590,  
0.4006

60.7586, 0.3489,  
0.3060

■ 37.9633, 0.2562,  
0.4137

■ 61.7382, 0.3464,  
0.2997

■ 37.4396, 0.2553,  
0.4269

■ 62.0768, 0.3412,  
0.2934

■ 37.0885, 0.2563,  
0.4399

■ 62.4286, 0.3361,  
0.2871

■ 36.9607, 0.2572,  
0.4457

■ 62.7937, 0.3310,  
0.2809

# Harmonies

## Analogous

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



45.9841, 0.3129, 0.3543



45.9841, 0.2967, 0.3427



45.9841, 0.2850, 0.3273

# Triad

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



45.9841, 0.2967, 0.3427



45.9841, 0.2958, 0.3008



45.9841, 0.3460, 0.3438

# Complementary

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



45.9841, 0.2967, 0.3427



37.8524, 0.3319, 0.3157

# 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.



45.9841, 0.3412, 0.3297



45.9841, 0.2967, 0.3427



45.9841, 0.3119, 0.3053

# Square

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



45.9841, 0.2967, 0.3427



45.9841, 0.2844, 0.3034



45.9841, 0.3286, 0.3158



45.9841, 0.3416, 0.3545



# Rectangle

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



45.9841, 0.2967, 0.3427



45.9841, 0.2811, 0.3173



45.9841, 0.3286, 0.3158



45.9841, 0.3454, 0.3393

# Sweetspot

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



45.9860, 0.2967, 0.3427



86.6768, 0.3074, 0.3333



46.3514, 0.3193, 0.3688



19.0191, 0.3066, 0.3339



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

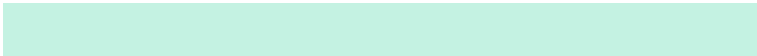


# Same Dimension

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



45.9860, 0.2967, 0.3427



80.9325, 0.2929, 0.3464



44.5820, 0.2893, 0.3230



10.7522, 0.3029, 0.3370



25.4813, 0.2567, 0.4442



1.0100, 0.2481, 0.4131



# Inverse Universe

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



37.8524, 0.3319, 0.3157



63.2583, 0.3376, 0.3123



39.0043, 0.3405, 0.3349



9.5891, 0.3236, 0.3211



7.5494, 0.5570, 0.2842



0.3082, 0.4891, 0.2468



# Previews

## White Background



This preview shows how the Yxy color 45.9841, 0.2967, 0.3427 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

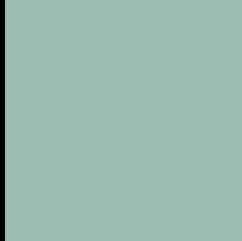
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.9841, 0.2967, 0.3427 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

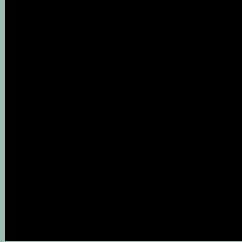
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

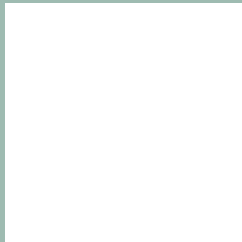
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.9841, 0.2967, 0.3427**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.9841, 0.2967, 0.3427.



This preview shows how white text looks on a background with the Yxy color 45.9841, 0.2967, 0.3427.

# 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

45.9841, 0.2967, 0.3427

### Protanopia

45.9739, 0.3227, 0.3382

### Deuteranopia

45.5732, 0.3292, 0.3215



## Tritanopia

46.0396, 0.2847, 0.3103

# Trichromacy



## Original Color

45.9841, 0.2967, 0.3427

## Protanomaly

46.0369, 0.3130, 0.3410

## Deuteranomaly

45.5622, 0.3162, 0.3290

## Tritanomaly

45.9927, 0.2896, 0.3222

# Monochromacy



## Original Color

45.9841, 0.2967, 0.3427

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.7681, 0.3065, 0.3344

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  45.9841, 0.2967, 0.3427 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(158, 187, 177)` looks like.

```
.text, #text, p{  
    color:rgb(158, 187, 177)  
}
```

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(158, 187, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 187, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 45.9841, 0.2967, 0.3427 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(158, 187, 177) }
```

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

```
.border{ border-color:rgb(158, 187, 177) }
```

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

Here you see how a box with a 4 pixel rgb(158, 187, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 187, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 187, 177);  
box-shadow:4px 4px 4px 4px rgb(158, 187,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.9841, 0.2967, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 187, 177) }
```

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

```
.background{ background-color: rgb(158,  
187, 177) }
```

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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