

# Converting Colors

$Y_{xy}(45.7489, 0.2918, 0.3574)$

Have a look what the booklet for  
Yxy(45.7489, 0.2918, 0.3574)  
contains.

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# Color

**Yxy(45.7489, 0.2918, 0.3574)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91BEAA
RGB	145, 190, 170
RGB Percent	57%, 75%, 67%
CMY	0.4313, 0.2549, 0.3332
CMYK	0.24, 0.00, 0.11, 0.25
HSL	153°, 26%, 66%
HSV	153°, 24%, 75%
XYZ	37.3518, 45.7489, 44.9041
YIQ	174.2650, -20.4000, -15.7600

# Conversions

## Conversions Part 2

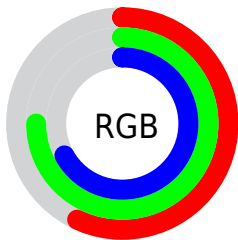
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 174, 190
Decimal	9551530
CIELab	73.38, -19.03, 5.24
CIElCh	73, 19.740, 164.612
Yxy	45.7489, 0.2918, 0.3574
Android (android.graphics.Color)	4287741610 (0xFF91BEAA)
YUV	174.2650, -2.1026, -25.6654
Hunter-Lab	67.6379, -19.7931, 7.9846

# Details

The Yxy color  $45.7489, 0.2918, 0.3574$  is a light color, and the websafe version is hex  $99CCCC$ . A complement of this color would be  $33.9233, 0.3400, 0.3023$ , and the grayscale version is  $42.4941, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.6271, 0.2961, 0.3519$ , and  $21.2435, 0.2850, 0.3650$  is the 20% darker color. If you saturate the color by 10%, you get  $43.8570, 0.2838, 0.3715$ , and if you desaturate by 10%, it is  $47.9538, 0.3004, 0.3445$ .

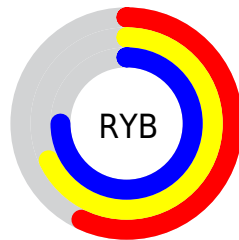
# Distribution



Red (57%)

Green (75%)

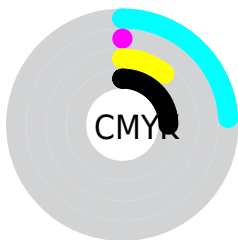
Blue (67%)



Red (57%)

Yellow (68%)

Blue (75%)

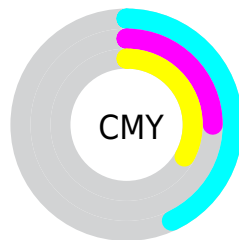


Cyan (24%)

Magenta (0%)

Yellow (11%)

Black (25%)



Cyan (43%)

Magenta (25%)


Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7489, 0.2918, 0.3574 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 45.7489, 0.2918, 0.3574 by changing the saturation by 10% instead.





 45.7489, 0.2918,  
0.3574

 45.7489, 0.2918,  
0.3574


369.7982, 0.3024,  
0.3429

 32.0477, 0.2891,  
0.3611


 83.8431, 0.2957,  
0.3520

 21.3980, 0.2856,  
0.3660


 109.0049, 0.2972,  
0.3501

 13.4152, 0.2809,  
0.3726


138.7556, 0.2984,  
0.3484

 7.7151, 0.2742,  
0.3820

173.4798, 0.2994,  
0.3470

 3.9132, 0.2639,  
0.3967

213.5618, 0.3003,  
0.3457

 1.6251, 0.2463,  
0.4223

259.3859, 0.3011,

 0.3744, 0.0000,

0.3447

0.9002

311.3366, 0.3018,  
0.3437

0.0000, 0.0000,  
0.0000

45.7489, 0.2918,  
0.3574

45.7489, 0.2918,  
0.3574

43.8570, 0.2838,  
0.3715

47.9538, 0.3004,  
0.3445

42.2576, 0.2768,  
0.3867

50.4796, 0.3094,  
0.3329

40.9367, 0.2710,  
0.4030

53.3412, 0.3185,  
0.3226

39.8768, 0.2668,  
0.4199

56.5507, 0.3276,  
0.3134

39.0582, 0.2643,  
0.4372

60.1196, 0.3365,  
0.3053

■ 38.4583, 0.2639,  
0.4545

■ 63.2871, 0.3419,  
0.2978

■ 38.0503, 0.2655,  
0.4714

■ 63.7473, 0.3352,  
0.2895

■ 37.8577, 0.2672,  
0.4818

■ 64.2305, 0.3287,  
0.2814

■ 64.7369, 0.3223,  
0.2735

# Harmonies

## Analogous

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



45.7489, 0.3191, 0.3747



45.7489, 0.2918, 0.3574



45.7489, 0.2707, 0.3318

# Triad

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



45.7489, 0.2918, 0.3574



45.7489, 0.2795, 0.2830



45.7489, 0.3676, 0.3474

# Complementary

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



45.7489, 0.2918, 0.3574



33.9233, 0.3400, 0.3023

# 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.



45.7489, 0.3562, 0.3241



45.7489, 0.2918, 0.3574



45.7489, 0.3044, 0.2881

# Square

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



45.7489, 0.2918, 0.3574



45.7489, 0.2639, 0.2893



45.7489, 0.3326, 0.3028



45.7489, 0.3635, 0.3672



# Rectangle

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



45.7489, 0.2918, 0.3574



45.7489, 0.2627, 0.3145



45.7489, 0.3326, 0.3028



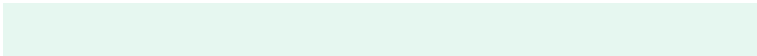
45.7489, 0.3655, 0.3397

# Sweetspot

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



45.7508, 0.2918, 0.3574



89.8358, 0.3063, 0.3368



46.8981, 0.3264, 0.3915



19.6648, 0.3057, 0.3375



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

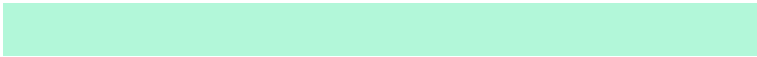


# Same Dimension

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



45.7508, 0.2918, 0.3574



81.2002, 0.2879, 0.3640



45.5986, 0.2780, 0.3258



10.7360, 0.3043, 0.3394



25.1905, 0.2666, 0.4796



0.9997, 0.2555, 0.4397



# Inverse Universe

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



33.9233, 0.3400, 0.3023



56.3113, 0.3472, 0.2966



33.9460, 0.3604, 0.3322



9.6049, 0.3221, 0.3189



7.7242, 0.5168, 0.2621



0.3157, 0.4582, 0.2298



# Previews

## White Background



This preview shows how the Yxy color 45.7489, 0.2918, 0.3574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

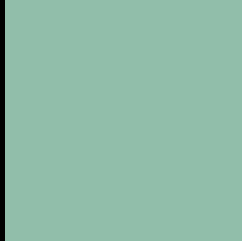
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.7489, 0.2918, 0.3574 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 45.7489, 0.2918, 0.3574**

## Background



This preview shows how black text looks on a background with the Yxy color 45.7489, 0.2918, 0.3574.



This preview shows how white text looks on a background with the Yxy color 45.7489, 0.2918, 0.3574.

# 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

45.7489, 0.2918, 0.3574

### Protanopia

45.4853, 0.3321, 0.3488

### Deuteranopia

45.4313, 0.3362, 0.3303



## Tritanopia

45.8673, 0.2754, 0.3100

# Trichromacy



## Original Color

45.7489, 0.2918, 0.3574

## Protanomaly

45.3908, 0.3167, 0.3521

## Deuteranomaly

45.2048, 0.3183, 0.3397

## Tritanomaly

45.6043, 0.2814, 0.3261

# Monochromacy



## Original Color

45.7489, 0.2918, 0.3574

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

43.4462, 0.3038, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.7489, 0.2918, 0.3574 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(145, 190, 170)` looks like.

```
.text, #text, p{  
    color:rgb(145, 190, 170)  
}
```

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(145, 190, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 190, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 45.7489, 0.2918, 0.3574 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(145, 190, 170) }
```

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

```
.border{ border-color:rgb(145, 190, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 190, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 190, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 190, 170);  
box-shadow:4px 4px 4px 4px rgb(145, 190,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.7489, 0.2918, 0.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 190, 170) }
```

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

```
.background{ background-color: rgb(145,  
190, 170) }
```

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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