

# Converting Colors

$Yxy(49.8873, 0.2941, 0.3632)$

Have a look what the booklet for  
Yxy(49.8873, 0.2941, 0.3632)  
contains.

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# Color

**Yxy(49.9846, 0.2945, 0.3634)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97C6AD
RGB	151, 198, 173
RGB Percent	59%, 78%, 68%
CMY	0.4076, 0.2236, 0.3215
CMYK	0.24, 0.00, 0.13, 0.22
HSL	148°, 29%, 68%
HSV	148°, 24%, 78%
XYZ	40.5076, 49.9846, 47.0548
YIQ	181.0970, -19.9870, -17.7390

# Conversions

## Conversions Part 2

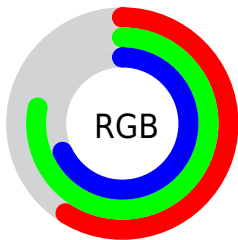
Format	Color
<a href="#">RYB</a>	<a href="#">151, 183, 198</a>
Decimal	<a href="#">9946797</a>
CIELab	<a href="#">76.06, -20.54, 7.51</a>
CIELCh	<a href="#">76, 21.868, 159.902</a>
Yxy	<a href="#">49.9846, 0.2945, 0.3634</a>
Android (android.graphics.Color)	<a href="#">4288136877 (0xFF97C6AD)</a>
YUV	<a href="#">181.0970, -3.9918, -26.3951</a>
Hunter-Lab	<a href="#">70.6998, -21.4526, 10.0289</a>

# Details

The Yxy color **49.9846, 0.2945, 0.3634** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.2910, 0.3361, 0.2970**, and the grayscale version is **46.3005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2432, 0.2981, 0.3577**, and **23.9796, 0.2889, 0.3730** is the 20% darker color. If you saturate the color by 10%, you get **47.8559, 0.2875, 0.3806**, and if you desaturate by 10%, it is **52.4678, 0.3020, 0.3478**.

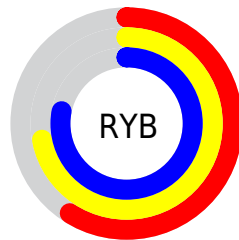
# Distribution



Red (59%)

Green (78%)

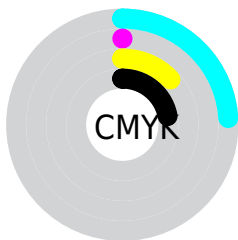
Blue (68%)



Red (59%)

Yellow (72%)

Blue (78%)

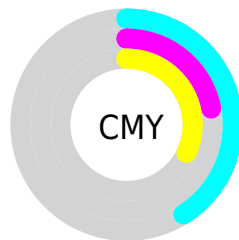


Cyan (24%)

Magenta (0%)

Yellow (13%)

Black (22%)



Cyan (41%)

Magenta (22%)


Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9846, 0.2945, 0.3634 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 49.9846, 0.2945, 0.3634 by changing the saturation by 10% instead.





 49.9846, 0.2945,  
0.3634

 49.9846, 0.2945,  
0.3634


386.6057, 0.3037,  
0.3460

 35.4012, 0.2922,  
0.3678


 90.1521, 0.2979,  
0.3570

 23.9721, 0.2892,  
0.3735


 116.5049, 0.2991,  
0.3546

 15.3129, 0.2851,  
0.3812


147.5496, 0.3002,  
0.3526

 9.0393, 0.2794,  
0.3921

183.6706, 0.3011,  
0.3509

 4.7668, 0.2708,  
0.4087

225.2524, 0.3019,  
0.3494

 2.1111, 0.2563,  
0.4369

272.6792, 0.3026,

 0.6709, 0.1346,

0.3481

0.6628

326.3355, 0.3032,  
0.3470

0.0000, 0.0000,  
0.0000

49.9846, 0.2945,  
0.3634

49.9846, 0.2945,  
0.3634

47.8559, 0.2875,  
0.3806

52.4678, 0.3020,  
0.3478

46.0588, 0.2814,  
0.3992

55.3148, 0.3098,  
0.3338

44.5774, 0.2764,  
0.4190

58.5421, 0.3177,  
0.3213

43.3920, 0.2729,  
0.4396

62.1634, 0.3254,  
0.3103

42.4804, 0.2712,  
0.4604

66.1919, 0.3330,  
0.3007

■ 41.8172, 0.2714,  
0.4810

■ 67.7140, 0.3289,  
0.2908

■ 41.3720, 0.2736,  
0.5006

■ 68.3454, 0.3212,  
0.2808

■ 41.1684, 0.2756,  
0.5122

■ 68.8645, 0.3153,  
0.2732

# Harmonies

## Analogous

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



49.9846, 0.3242, 0.3799



49.9846, 0.2945, 0.3634



49.9846, 0.2705, 0.3365

# Triad

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



49.9846, 0.2945, 0.3634



49.9846, 0.2737, 0.2799



49.9846, 0.3710, 0.3447

# Complementary

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



49.9846, 0.2945, 0.3634



37.2910, 0.3361, 0.2970

# 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.



49.9846, 0.3562, 0.3198



49.9846, 0.2945, 0.3634



49.9846, 0.2991, 0.2835

# Square

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



49.9846, 0.2945, 0.3634



49.9846, 0.2589, 0.2885



49.9846, 0.3294, 0.2979



49.9846, 0.3691, 0.3671



# Rectangle

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



49.9846, 0.2945, 0.3634



49.9846, 0.2606, 0.3175



49.9846, 0.3294, 0.2979



49.9846, 0.3678, 0.3364

# Sweetspot

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



49.9867, 0.2945, 0.3634



96.1736, 0.3071, 0.3384



51.8610, 0.3297, 0.3912



20.5179, 0.3067, 0.3392



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

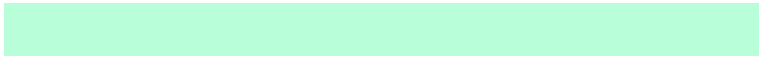


# Same Dimension

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



49.9867, 0.2945, 0.3634



86.6711, 0.2911, 0.3713



50.9740, 0.2791, 0.3310



11.9691, 0.3054, 0.3416



26.7922, 0.2749, 0.5098



1.2832, 0.2638, 0.4697



# Inverse Universe

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



37.2910, 0.3361, 0.2970



60.6272, 0.3421, 0.2903



36.4425, 0.3597, 0.3271



10.7297, 0.3208, 0.3168



8.4932, 0.4805, 0.2421



0.4167, 0.4384, 0.2189



# Previews

## White Background



This preview shows how the Yxy color 49.9846, 0.2945, 0.3634 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

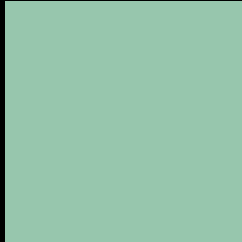
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.9846, 0.2945, 0.3634 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

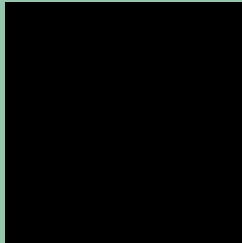
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.9846, 0.2945, 0.3634**

## Background



This preview shows how black text looks on a background with the Yxy color 49.9846, 0.2945, 0.3634.

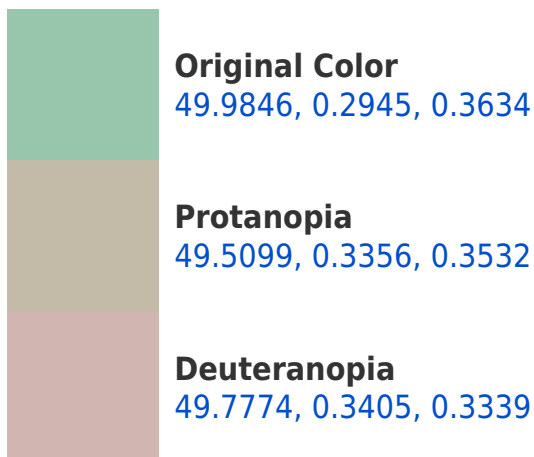


This preview shows how white text looks on a background with the Yxy color 49.9846, 0.2945, 0.3634.

# 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





## Tritanopia

49.9631, 0.2759, 0.3094

# Trichromacy



**Original Color**

49.9846, 0.2945, 0.3634

**Protanomaly**

49.2752, 0.3197, 0.3567

**Deuteranomaly**

49.3666, 0.3221, 0.3431

**Tritanomaly**

49.9389, 0.2824, 0.3289

# Monochromacy



**Original Color**

49.9846, 0.2945, 0.3634

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

47.3010, 0.3056, 0.3410

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.9846, 0.2945, 0.3634 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(151, 198, 173)` looks like.

```
.text, #text, p{  
    color:rgb(151, 198, 173)  
}
```

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(151, 198, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 198, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 49.9846, 0.2945, 0.3634 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(151, 198, 173) }
```

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

```
.border{ border-color:rgb(151, 198, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 198, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 198, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 198, 173);  
box-shadow:4px 4px 4px 4px rgb(151, 198,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.9846, 0.2945, 0.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 198, 173) }
```

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

```
.background{ background-color: rgb(151,  
198, 173) }
```

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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