

Converting Colors

$Yxy(49.3670, 0.2966, 0.3606)$

Have a look what the booklet for
Yxy(49.3670, 0.2966, 0.3606)
contains.

Yxy(49.3670, 0.2966, 0.3606)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.3670, 0.2966, 0.3606)

Conversions

Conversions Part 1

Format	Color
Hex	9AC4AD
RGB	154, 196, 173
RGB Percent	60%, 77%, 68%
CMY	0.3962, 0.2313, 0.3215
CMYK	0.21, 0.00, 0.12, 0.23
HSL	147°, 26%, 69%
HSV	147°, 21%, 77%
XYZ	40.6052, 49.3670, 46.9301
YIQ	180.8200, -17.6490, -16.0570

Conversions

Conversions Part 2

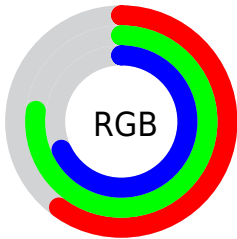
Format	Color
RYB	154, 183, 196
Decimal	10142893
CIELab	75.68, -18.59, 6.99
CIELCh	76, 19.865, 159.392
Yxy	49.3670, 0.2966, 0.3606
Android (android.graphics.Color)	4288332973 (0xFF9AC4AD)
YUV	180.8200, -3.8553, -23.5211
Hunter-Lab	70.2617, -19.8001, 9.5814

Details

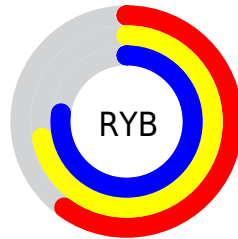
The Yxy color **49.3670, 0.2966, 0.3606** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.0103, 0.3328, 0.2994**, and the grayscale version is **46.1326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4073, 0.2999, 0.3555**, and **23.5513, 0.2916, 0.3691** is the 20% darker color. If you saturate the color by 10%, you get **47.2021, 0.2897, 0.3779**, and if you desaturate by 10%, it is **51.8833, 0.3040, 0.3449**.

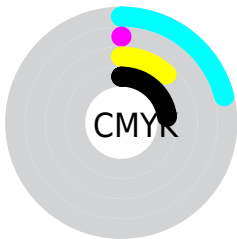
Distribution



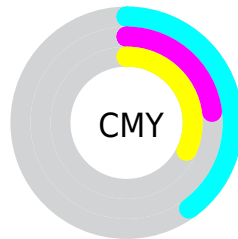
- Red (60%)
- Green (77%)
- Blue (68%)



- Red (60%)
- Yellow (72%)
- Blue (77%)



- Cyan (21%)
- Magenta (0%)
- Yellow (12%)
- Black (23%)




- Cyan (40%)
- Magenta (23%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3670, 0.2966, 0.3606 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 49.3670, 0.2966, 0.3606 by changing the saturation by 10% instead.


 49.3670, 0.2966,
0.3606


 49.3670, 0.2966,
0.3606


384.1853, 0.3048,
0.3446

 34.9107, 0.2945,
0.3647


 89.2363, 0.2996,
0.3547

 23.5941, 0.2919,
0.3699


 115.4181, 0.3007,
0.3526

 15.0328, 0.2883,
0.3770


146.2771, 0.3016,
0.3507

 8.8424, 0.2832,
0.3870

182.1978, 0.3024,
0.3491

 4.6385, 0.2755,
0.4023

223.5646, 0.3031,
0.3478

 2.0368, 0.2624,
0.4283

270.7619, 0.3037,

 0.6287, 0.1484,

0.3466

0.6494

324.1740, 0.3043,
0.3455

0.0000, 0.0000,
0.0000

49.3670, 0.2966,
0.3606

49.3670, 0.2966,
0.3606

47.2021, 0.2897,
0.3779

51.8833, 0.3040,
0.3449

45.3665, 0.2835,
0.3967

54.7599, 0.3116,
0.3309

43.8449, 0.2783,
0.4169

58.0127, 0.3192,
0.3184

42.6184, 0.2746,
0.4379

61.6552, 0.3268,
0.3075

41.6660, 0.2726,
0.4593

65.6999, 0.3341,
0.2978

■ 40.9636, 0.2724,
0.4805

■ 66.8790, 0.3283,
0.2877

■ 40.4828, 0.2742,
0.5007

■ 67.5258, 0.3204,
0.2776

■ 40.2025, 0.2769,
0.5169

■ 67.9646, 0.3154,
0.2713

Harmonies

Analogous

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



49.3670, 0.3237, 0.3754



49.3670, 0.2966, 0.3606



49.3670, 0.2744, 0.3363

Triad

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



49.3670, 0.2966, 0.3606



49.3670, 0.2767, 0.2841



49.3670, 0.3657, 0.3432

Complementary

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



49.3670, 0.2966, 0.3606



38.0103, 0.3328, 0.2994

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.



49.3670, 0.3520, 0.3203



49.3670, 0.2966, 0.3606



49.3670, 0.2999, 0.2872

Square

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



49.3670, 0.2966, 0.3606



49.3670, 0.2633, 0.2923



49.3670, 0.3276, 0.3002



49.3670, 0.3643, 0.3637

Rectangle

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



49.3670, 0.2966, 0.3606



49.3670, 0.2652, 0.3191



49.3670, 0.3276, 0.3002



49.3670, 0.3627, 0.3355

Sweetspot

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



49.3691, 0.2966, 0.3606



96.6855, 0.3081, 0.3372



51.1744, 0.3287, 0.3847



20.6207, 0.3076, 0.3381



0.0000, 0.0000, 0.0000



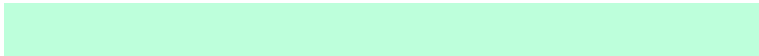
21.4041, 0.3127, 0.3290

Same Dimension

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



49.3691, 0.2966, 0.3606



87.4011, 0.2931, 0.3690



50.2423, 0.2825, 0.3317



11.3330, 0.3056, 0.3419



25.8457, 0.2762, 0.5144



1.1306, 0.2641, 0.4706

Inverse Universe

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



38.0103, 0.3328, 0.2994



62.9605, 0.3387, 0.2922



37.2401, 0.3534, 0.3264



10.1680, 0.3205, 0.3165



8.2432, 0.4741, 0.2385



0.3699, 0.4309, 0.2148

Previews

White Background



This preview shows how the Yxy color 49.3670, 0.2966, 0.3606 looks on a white background.

Color Contrast Check

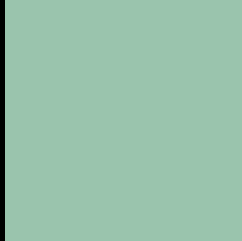
Large Text (above 18pt) WCAG AA × Fail

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 49.3670, 0.2966, 0.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

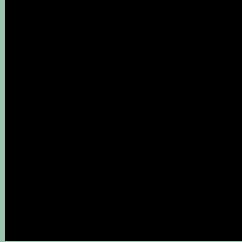
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3670, 0.2966, 0.3606

Background



This preview shows how black text looks on a background with the Yxy color 49.3670, 0.2966, 0.3606.



This preview shows how white text looks on a background with the Yxy color 49.3670, 0.2966, 0.3606.

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

49.3670, 0.2966, 0.3606

Protanopia

48.9573, 0.3348, 0.3520

Deuteranopia

49.0425, 0.3397, 0.3340



Tritanopia

49.1914, 0.2784, 0.3094

Trichromacy



Original Color

49.3670, 0.2966, 0.3606

Protanomaly

48.8435, 0.3198, 0.3554

Deuteranomaly

48.9043, 0.3230, 0.3432

Tritanomaly

49.3041, 0.2851, 0.3276

Monochromacy



Original Color

49.3670, 0.2966, 0.3606

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.9901, 0.3064, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3670, 0.2966, 0.3606 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(154, 196, 173)` looks like.

```
.text, #text, p{  
    color:rgb(154, 196, 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(154, 196, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 196, 173) }
```

Border

The CSS property to change the border of an element to Yxy 49.3670, 0.2966, 0.3606 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(154, 196, 173) }
```

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

```
.border{ border-color:rgb(154, 196, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 196, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 196, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 196, 173);  
box-shadow:4px 4px 4px 4px rgb(154, 196,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3670, 0.2966, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 196, 173) }
```

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

```
.background{ background-color: rgb(154,  
196, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor