

Converting Colors

$Yxy(48.9873, 0.3025, 0.3874)$

Have a look what the booklet for
Yxy(48.9873, 0.3025, 0.3874)
contains.

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Color

Yxy(49.0255, 0.3024, 0.3870)

Conversions

Conversions Part 1

Format	Color
Hex	93C69D
RGB	147, 198, 157
RGB Percent	58%, 78%, 62%
CMY	0.4237, 0.2235, 0.3843
CMYK	0.26, 0.00, 0.21, 0.22
HSL	132°, 31%, 68%
HSV	132°, 26%, 78%
XYZ	38.3083, 49.0255, 39.3471
YIQ	178.0770, -17.2350, -23.5630

Conversions

Conversions Part 2

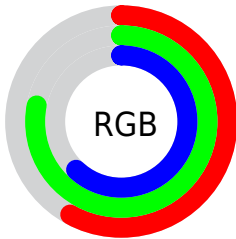
Format	Color
RYB	147, 190, 198
Decimal	9684637
CIELab	75.47, -24.92, 15.25
CIELCh	75, 29.213, 148.541
Yxy	49.0255, 0.3024, 0.3870
Android (android.graphics.Color)	4287874717 (0xFF93C69D)
YUV	178.0770, -10.3910, -27.2545
Hunter-Lab	70.0182, -24.8711, 15.6944

Details

The Yxy color **49.0255, 0.3024, 0.3870** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.4927, 0.3251, 0.2772**, and the grayscale version is **44.6242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8300, 0.3045, 0.3757**, and **23.4200, 0.2984, 0.4041** is the 20% darker color. If you saturate the color by 10%, you get **46.8440, 0.2987, 0.4140**, and if you desaturate by 10%, it is **51.5969, 0.3064, 0.3624**.

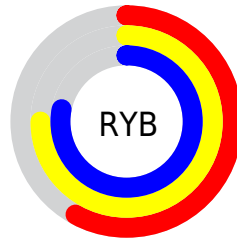
Distribution



Red (58%)

Green (78%)

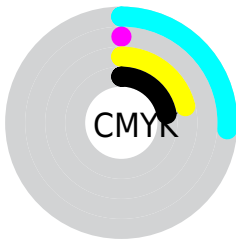
Blue (62%)



Red (58%)

Yellow (75%)

Blue (78%)

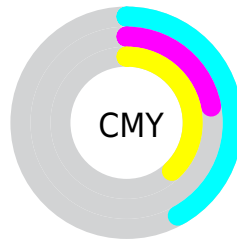


Cyan (26%)

Magenta (0%)

Yellow (21%)

Black (22%)



Cyan (42%)


Magenta (22%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0255, 0.3024, 0.3870 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 49.0255, 0.3024, 0.3870 by changing the saturation by 10% instead.


 49.0255, 0.3024,
0.3870


 49.0255, 0.3024,
0.3870

382.8427, 0.3081,
0.3572

 34.6397, 0.3008,
0.3947


 88.7293, 0.3046,
0.3760

 23.3855, 0.2987,
0.4048


 114.8161, 0.3054,
0.3719

 14.8784, 0.2957,
0.4184


145.5721, 0.3060,
0.3684

 8.7341, 0.2912,
0.4380

181.3816, 0.3065,
0.3655

 4.5681, 0.2836,
0.4682

222.6290, 0.3070,
0.3630

 1.9962, 0.2697,
0.5217

269.6987, 0.3074,

 0.6053, 0.0000,

0.3608

1.0000

322.9752, 0.3078,
0.3589

0.0000, 0.0000,
0.0000

49.0255, 0.3024,
0.3870

49.0255, 0.3024,
0.3870

46.8440, 0.2987,
0.4140

51.5969, 0.3064,
0.3624

45.0273, 0.2954,
0.4431

54.5695, 0.3104,
0.3405

43.5571, 0.2928,
0.4732


57.9619, 0.3144,
0.3212


42.4108, 0.2913,
0.5030

61.7896, 0.3182,
0.3043

41.5633, 0.2909,
0.5310


66.0673, 0.3218,
0.2896

 40.9855, 0.2918,
0.5554

 68.7088, 0.3171,
0.2756

 40.6418, 0.2939,
0.5746

 68.8731, 0.3153,
0.2732

 40.5394, 0.2948,
0.5811

Harmonies

Analogous

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



49.0255, 0.3423, 0.4013



49.0255, 0.3024, 0.3870



49.0255, 0.2668, 0.3536

Triad

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



49.0255, 0.3024, 0.3870



49.0255, 0.2515, 0.2661



49.0255, 0.3863, 0.3364

Complementary

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



49.0255, 0.3024, 0.3870



36.4927, 0.3251, 0.2772

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.



49.0255, 0.3588, 0.3047



49.0255, 0.3024, 0.3870



49.0255, 0.2801, 0.2655

Square

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



49.0255, 0.3024, 0.3870



49.0255, 0.2389, 0.2829



49.0255, 0.3192, 0.2794



49.0255, 0.3923, 0.3683

Rectangle

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



49.0255, 0.3024, 0.3870



49.0255, 0.2499, 0.3272



49.0255, 0.3192, 0.2794



49.0255, 0.3792, 0.3254

Sweetspot

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



49.0276, 0.3024, 0.3870



95.3235, 0.3095, 0.3454



53.2729, 0.3433, 0.3944



20.2266, 0.3089, 0.3487



0.0000, 0.0000, 0.0000



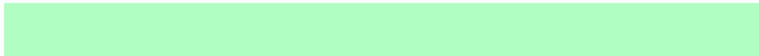
21.4041, 0.3127, 0.3290

Same Dimension

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



49.0276, 0.3024, 0.3870



84.5284, 0.3002, 0.4021



49.9638, 0.2857, 0.3511



11.9214, 0.3090, 0.3481



26.3704, 0.2942, 0.5792



1.2591, 0.2835, 0.5405

Inverse Universe

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



36.4927, 0.3251, 0.2772



58.5490, 0.3284, 0.2656



35.5124, 0.3499, 0.3080



10.7794, 0.3167, 0.3106



9.4483, 0.3774, 0.1852



0.4568, 0.3635, 0.1776

Previews

White Background



This preview shows how the Yxy color 49.0255, 0.3024, 0.3870 looks on a white background.

Color Contrast Check

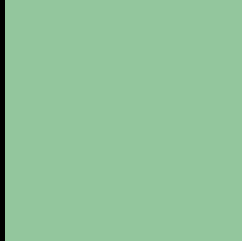
Large Text (above 18pt) WCAG AA × Fail

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 49.0255, 0.3024, 0.3870 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 49.0255, 0.3024, 0.3870

Background



This preview shows how black text looks on a background with the Yxy color 49.0255, 0.3024, 0.3870.

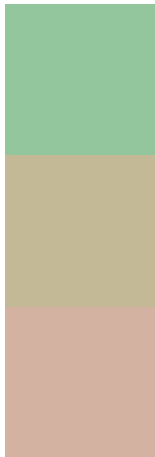


This preview shows how white text looks on a background with the Yxy color 49.0255, 0.3024, 0.3870.

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

49.0255, 0.3024, 0.3870

Protanopia

48.6681, 0.3498, 0.3726

Deuteranopia

48.4110, 0.3578, 0.3499



Tritanopia

48.8345, 0.2749, 0.3079

Trichromacy



Original Color

49.0255, 0.3024, 0.3870

Protanomaly

48.5918, 0.3312, 0.3785

Deuteranomaly

47.9274, 0.3353, 0.3616

Tritanomaly

49.0300, 0.2849, 0.3357

Monochromacy



Original Color

49.0255, 0.3024, 0.3870

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.8157, 0.3093, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0255, 0.3024, 0.3870 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(147, 198, 157)` looks like.

```
.text, #text, p{  
    color:rgb(147, 198, 157)  
}
```

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(147, 198, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 198, 157) }
```

Border

The CSS property to change the border of an element to Yxy 49.0255, 0.3024, 0.3870 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(147, 198, 157) }
```

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

```
.border{ border-color:rgb(147, 198, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 198, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 198, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 198, 157);  
box-shadow:4px 4px 4px 4px rgb(147, 198,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0255, 0.3024, 0.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 198, 157) }
```

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

```
.background{ background-color: rgb(147,  
198, 157) }
```

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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