

# Converting Colors

Yxy(46.9586, 0.3024, 0.3858)

Have a look what the booklet for  
Yxy(46.9586, 0.3024, 0.3858)  
contains.

<b>Yxy(46.9699, 0.3024, 0.3850)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	27
<i><b>CSS Examples</b></i>	30

# Color

**Yxy(46.9699, 0.3024, 0.3850)**

# Conversions

Conversions Part 1	
Format	Color
Hex	91C29B
RGB	145, 194, 155
RGB Percent	57%, 76%, 61%
CMY	0.4312, 0.2392, 0.3921
CMYK	0.25, 0.00, 0.20, 0.24
HSL	132°, 29%, 66%
HSV	132°, 25%, 76%
XYZ	36.8927, 46.9699, 38.1371
YIQ	174.9030, -16.6850, -22.5170

# Conversions

## Conversions Part 2

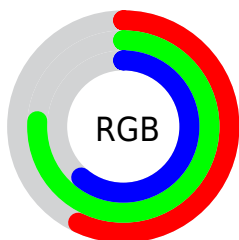
Format	Color
<a href="#">RYB</a>	<a href="#">145, 186, 194</a>
Decimal	<a href="#">9552539</a>
CIELab	<a href="#">74.17, -23.94, 14.49</a>
CIELCh	<a href="#">74, 27.979, 148.819</a>
Yxy	<a href="#">46.9699, 0.3024, 0.3850</a>
Android (android.graphics.Color)	<a href="#">4287742619</a> (0xFF91C29B)
YUV	<a href="#">174.9030, -9.8122, -26.2249</a>
Hunter-Lab	<a href="#">68.5346, -23.8475, 14.9814</a>

# Details

The Yxy color **46.9699, 0.3024, 0.3850** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.1972, 0.3251, 0.2788**, and the grayscale version is **42.8815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9269, 0.3045, 0.3740**, and **22.0828, 0.2982, 0.4017** is the 20% darker color. If you saturate the color by 10%, you get **44.8702, 0.2986, 0.4116**, and if you desaturate by 10%, it is **49.4409, 0.3065, 0.3608**.

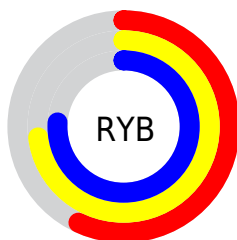
# Distribution



Red (57%)

Green (76%)

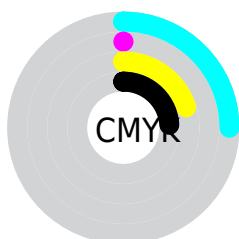
Blue (61%)



Red (57%)

Yellow (73%)

Blue (76%)

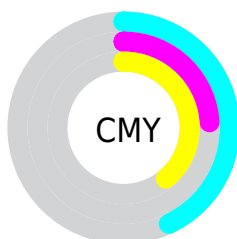


Cyan (25%)

Magenta (0%)

Yellow (20%)

Black (24%)



Cyan (43%)

Magenta (24%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9699, 0.3024, 0.3850 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 46.9699, 0.3024, 0.3850 by changing the saturation by 10% instead.





 46.9699, 0.3024,  
0.3850


 46.9699, 0.3024,  
0.3850

374.6944, 0.3081,  
0.3560

 33.0119, 0.3008,  
0.3925


 85.6687, 0.3046,  
0.3742

 22.1355, 0.2987,  
0.4024


 111.1782, 0.3054,  
0.3703

 13.9565, 0.2957,  
0.4159


141.3071, 0.3060,  
0.3669

 8.0904, 0.2911,  
0.4354

176.4396, 0.3065,  
0.3641

 4.1529, 0.2833,  
0.4658

216.9602, 0.3070,  
0.3617

 1.7594, 0.2701,  
0.5231

263.2532, 0.3074,


 0.4617, 0.0000,


0.3595


1.0000


315.7032, 0.3078,  
0.3577


 0.0000, 0.0000,  
0.0000


 46.9699, 0.3024,  
0.3850


 46.9699, 0.3024,  
0.3850


 44.8702, 0.2986,  
0.4116


 49.4409, 0.3065,  
0.3608


 43.1182, 0.2952,  
0.4403


 52.2939, 0.3106,  
0.3392

 41.6964, 0.2926,  
0.4701


 55.5463, 0.3146,  
0.3202

 40.5839, 0.2909,  
0.4998


 59.2130, 0.3185,  
0.3037

 39.7567, 0.2905,  
0.5279


 63.3077, 0.3222,  
0.2892

 39.1878, 0.2913,  
0.5525

 66.6002, 0.3208,  
0.2759

 38.8442, 0.2934,  
0.5722

 67.0604, 0.3155,  
0.2693

 38.7301, 0.2944,  
0.5798

# Harmonies

## Analogous

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



46.9699, 0.3412, 0.3991



46.9699, 0.3024, 0.3850



46.9699, 0.2678, 0.3526

# Triad

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



46.9699, 0.3024, 0.3850



46.9699, 0.2534, 0.2677



46.9699, 0.3843, 0.3366

# Complementary

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



46.9699, 0.3024, 0.3850



35.1972, 0.3251, 0.2788

# 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.



46.9699, 0.3578, 0.3056



46.9699, 0.3024, 0.3850



46.9699, 0.2814, 0.2672

# Square

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



46.9699, 0.3024, 0.3850



46.9699, 0.2409, 0.2840



46.9699, 0.3195, 0.2809



46.9699, 0.3900, 0.3676



# Rectangle

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



46.9699, 0.3024, 0.3850



46.9699, 0.2514, 0.3269



46.9699, 0.3195, 0.2809



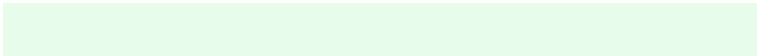
46.9699, 0.3775, 0.3259

# Sweetspot

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



46.9719, 0.3024, 0.3850



93.1795, 0.3094, 0.3452



50.8420, 0.3419, 0.3930



20.2286, 0.3088, 0.3485



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

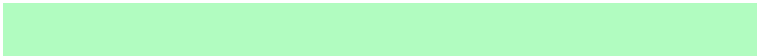


# Same Dimension

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



46.9719, 0.3024, 0.3850



83.0290, 0.3003, 0.3987



47.8721, 0.2857, 0.3494



11.2916, 0.3089, 0.3479



25.4757, 0.2939, 0.5779



1.1108, 0.2822, 0.5358



# Inverse Universe

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



35.1972, 0.3251, 0.2788



58.2279, 0.3282, 0.2682



34.2640, 0.3497, 0.3096



10.2113, 0.3168, 0.3108



9.0980, 0.3795, 0.1864



0.4022, 0.3641, 0.1779



# Previews

## White Background



This preview shows how the Yxy color 46.9699, 0.3024, 0.3850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

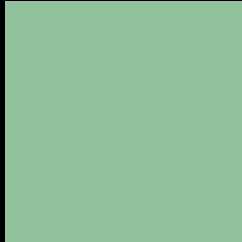
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.9699, 0.3024, 0.3850 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

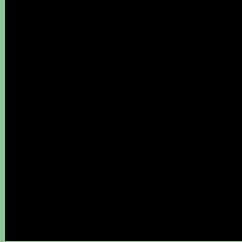
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.9699, 0.3024, 0.3850**

## Background



This preview shows how black text looks on a background with the Yxy color 46.9699, 0.3024, 0.3850.



This preview shows how white text looks on a background with the Yxy color 46.9699, 0.3024, 0.3850.

# 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

46.9699, 0.3024, 0.3850

### Protanopia

46.4241, 0.3489, 0.3708

### Deuteranopia


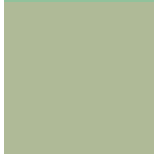

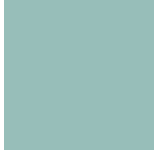
46.5730, 0.3567, 0.3490




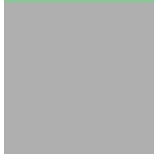
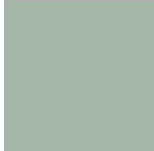
## Tritanopia

47.1007, 0.2764, 0.3102

# Trichromacy

	<b>Original Color</b> 46.9699, 0.3024, 0.3850
	<b>Protanomaly</b> 46.4661, 0.3309, 0.3766
	<b>Deuteranomaly</b> 46.2388, 0.3348, 0.3608
	<b>Tritanomaly</b> 46.9090, 0.2859, 0.3358

# Monochromacy

	<b>Original Color</b> 46.9699, 0.3024, 0.3850
	<b>Achromatopsia</b> 42.8690, 0.3127, 0.3290
	<b>Achromatomaly</b> 44.1756, 0.3084, 0.3484

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.9699, 0.3024, 0.3850 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, 194, 155) looks like.

```
.text, #text, p{  
    color:rgb(145, 194, 155)  
}
```

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, 194, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 194, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9699, 0.3024, 0.3850 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, 194, 155) }
```

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

```
.border{ border-color:rgb(145, 194, 155) }
```

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

Here you see how a box with a 4 pixel rgb(145, 194, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 194, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 194, 155);  
box-shadow:4px 4px 4px 4px rgb(145, 194,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9699, 0.3024, 0.3850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 194, 155) }
```

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

```
.background{ background-color: rgb(145,  
194, 155) }
```

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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