

Converting Colors

$Y_{xy}(49.2622, 0.3252, 0.3871)$

Have a look what the booklet for
Yxy(49.2622, 0.3252, 0.3871)
contains.

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Color

Yxy(49.3640, 0.3253, 0.3873)

Conversions

Conversions Part 1

Format	Color
Hex	AAC297
RGB	170, 194, 151
RGB Percent	67%, 76%, 59%
CMY	0.3332, 0.2392, 0.4077
CMYK	0.12, 0.00, 0.22, 0.24
HSL	93°, 26%, 68%
HSV	93°, 22%, 76%
XYZ	41.4617, 49.3640, 36.6311
YIQ	181.9220, -0.5010, -18.4610

Conversions

Conversions Part 2

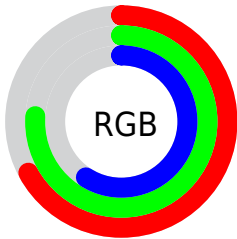
Format	Color
RYB	151, 194, 175
Decimal	11190935
CIELab	75.68, -15.96, 18.96
CIELCh	76, 24.784, 130.077
Yxy	49.3640, 0.3253, 0.3873
Android (android.graphics.Color)	4289381015 (0xFFAAC297)
YUV	181.9220, -15.2445, -10.4556
Hunter-Lab	70.2595, -17.6174, 18.2697

Details

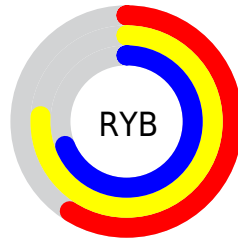
The Yxy color **49.3640, 0.3253, 0.3873** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.1488, 0.2973, 0.2716**, and the grayscale version is **46.8238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5709, 0.3238, 0.3772**, and **23.4582, 0.3275, 0.4041** is the 20% darker color. If you saturate the color by 10%, you get **47.6298, 0.3305, 0.4167**, and if you desaturate by 10%, it is **51.3055, 0.3197, 0.3597**.

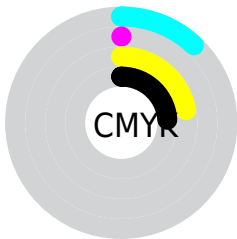
Distribution



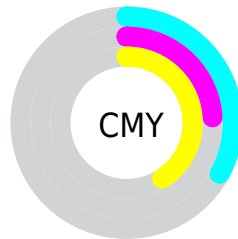
- Red (67%)
- Green (76%)
- Blue (59%)



- Red (59%)
- Yellow (76%)
- Blue (69%)



- Cyan (12%)
- Magenta (0%)
- Yellow (22%)
- Black (24%)




- Cyan (33%)
- Magenta (24%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3640, 0.3253, 0.3873 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 49.3640, 0.3253, 0.3873 by changing the saturation by 10% instead.


 49.3640, 0.3253,
0.3873

 49.3640, 0.3253,
0.3873


384.1736, 0.3195,
0.3576

 34.9083, 0.3266,
0.3949


 89.2318, 0.3233,
0.3764

 23.5923, 0.3280,
0.4047


 115.4128, 0.3226,
0.3723

 15.0314, 0.3298,
0.4178


146.2709, 0.3219,
0.3689

 8.8414, 0.3319,
0.4364

182.1907, 0.3213,
0.3660

 4.6379, 0.3339,
0.4644

223.5564, 0.3208,
0.3635

 2.0364, 0.3389,
0.5177

270.7525, 0.3203,

 0.6285, 0.2485,

0.3613

0.7515

324.1635, 0.3199,
0.3593

0.0000, 0.0000,
0.0000

49.3640, 0.3253,
0.3873

49.3640, 0.3253,
0.3873

47.6298, 0.3305,
0.4167

51.3055, 0.3197,
0.3597

46.0890, 0.3348,
0.4471

53.4548, 0.3140,
0.3342

44.7357, 0.3380,
0.4775

55.8207, 0.3082,
0.3110

43.5614, 0.3397,
0.5063

58.4096, 0.3027,
0.2903

42.5567, 0.3395,
0.5321

61.2276, 0.2974,
0.2717

■ 41.7110, 0.3372,
0.5531

■ 63.4542, 0.3006,
0.2665

■ 41.0121, 0.3330,
0.5684

■ 65.3516, 0.3086,
0.2680

■ 40.5507, 0.3289,
0.5771

■ 67.0614, 0.3155,
0.2693

Harmonies

Analogous

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



49.3640, 0.3567, 0.3879



49.3640, 0.3253, 0.3873



49.3640, 0.2917, 0.3683

Triad

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



49.3640, 0.3253, 0.3873



49.3640, 0.2520, 0.2828



49.3640, 0.3624, 0.3185

Complementary

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



49.3640, 0.3253, 0.3873



35.1488, 0.2973, 0.2716

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.



49.3640, 0.3318, 0.2940



49.3640, 0.3253, 0.3873



49.3640, 0.2685, 0.2734

Square

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



49.3640, 0.3253, 0.3873



49.3640, 0.2506, 0.3055



49.3640, 0.2973, 0.2778



49.3640, 0.3792, 0.3466

Rectangle

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



49.3640, 0.3253, 0.3873



49.3640, 0.2725, 0.3482



49.3640, 0.2973, 0.2778



49.3640, 0.3533, 0.3097

Sweetspot

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



49.3661, 0.3253, 0.3873



94.8718, 0.3168, 0.3465



44.2311, 0.3507, 0.3599



20.7235, 0.3172, 0.3481



0.0000, 0.0000, 0.0000



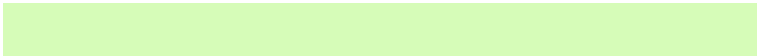
21.4041, 0.3127, 0.3290

Same Dimension

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



49.3661, 0.3253, 0.3873



87.7386, 0.3281, 0.4026



47.4688, 0.3083, 0.3870



11.4719, 0.3181, 0.3523



26.7093, 0.3298, 0.5763



1.1948, 0.3479, 0.5620

Inverse Universe

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



35.1488, 0.2973, 0.2716



57.0351, 0.2929, 0.2567



37.4090, 0.3172, 0.2772



10.0187, 0.3069, 0.3058



4.7142, 0.2150, 0.0958



0.2440, 0.2381, 0.1085

Previews

White Background



This preview shows how the Yxy color 49.3640, 0.3253, 0.3873 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 49.3640, 0.3253, 0.3873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

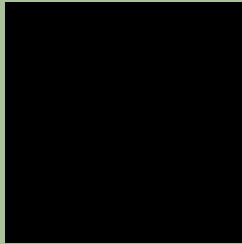
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3640, 0.3253, 0.3873

Background



This preview shows how black text looks on a background with the Yxy color 49.3640, 0.3253, 0.3873.



This preview shows how white text looks on a background with the Yxy color 49.3640, 0.3253, 0.3873.

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

49.3640, 0.3253, 0.3873

Protanopia

49.2302, 0.3547, 0.3786

Deuteranopia

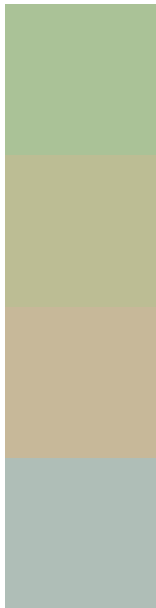
49.0204, 0.3664, 0.3594



Tritanopia

49.2699, 0.2943, 0.3099

Trichromacy



Original Color

49.3640, 0.3253, 0.3873

Protanomaly

49.2247, 0.3441, 0.3825

Deuteranomaly

48.7230, 0.3512, 0.3684

Tritanomaly

49.3598, 0.3058, 0.3381

Monochromacy



Original Color

49.3640, 0.3253, 0.3873

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.5231, 0.3177, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3640, 0.3253, 0.3873 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(170, 194, 151)` looks like.

```
.text, #text, p{  
    color:rgb(170, 194, 151)  
}
```

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(170, 194, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 194, 151) }
```

Border

The CSS property to change the border of an element to Yxy 49.3640, 0.3253, 0.3873 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(170, 194, 151) }
```

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

```
.border{ border-color:rgb(170, 194, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 194, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 194, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 194, 151);  
box-shadow:4px 4px 4px 4px rgb(170, 194,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3640, 0.3253, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 194, 151) }
```

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

```
.background{ background-color: rgb(170,  
194, 151) }
```

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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