

Converting Colors

$Yxy(49.1873, 0.3450, 0.4313)$

Have a look what the booklet for
Yxy(49.1873, 0.3450, 0.4313)
contains.

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Color

Yxy(49.1852, 0.3450, 0.4313)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | A8C479 |
| RGB | 168, 196, 121 |
| RGB Percent | 66%, 77%, 47% |
| CMY | 0.3411, 0.2314, 0.5255 |
| CMYK | 0.14, 0.00, 0.38, 0.23 |
| HSL | 82°, 39%, 62% |
| HSV | 82°, 38%, 77% |
| XYZ | 39.3436, 49.1852, 25.5106 |
| YIQ | 179.0780, 7.3870, -29.2610 |

Conversions

Conversions Part 2

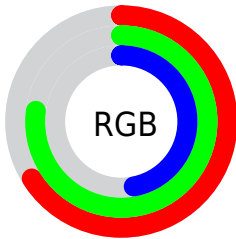
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 121, 196, 149 |
| Decimal | 11060345 |
| CIE Lab | 75.57, -22.05, 34.58 |
| CIE LCh | 76, 41.009, 122.525 |
| Yxy | 49.1852, 0.3450, 0.4313 |
| Android (android.graphics.Color) | 4289250425 (0xFFA8C479) |
| YUV | 179.0780, -28.6325, -9.7154 |
| Hunter-Lab | 70.1322, -22.5942, 27.5257 |

Details

The Yxy color **49.1852, 0.3450, 0.4313** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **24.0495, 0.2689, 0.2215**, and the grayscale version is **45.2790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1538, 0.3402, 0.4127**, and **23.4458, 0.3515, 0.4609** is the 20% darker color. If you saturate the color by 10%, you get **47.9741, 0.3518, 0.4592**, and if you desaturate by 10%, it is **50.5435, 0.3371, 0.4031**.

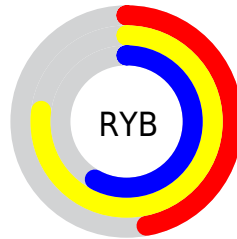
Distribution



Red (66%)

Green (77%)

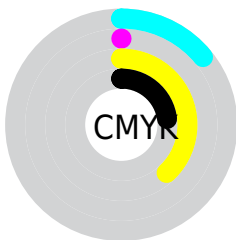
Blue (47%)



Red (47%)

Yellow (77%)

Blue (58%)

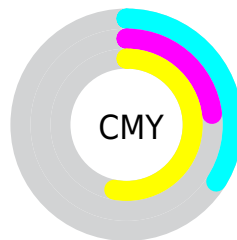


Cyan (14%)

Magenta (0%)

Yellow (38%)

Black (23%)



Cyan (34%)


Magenta (23%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1852, 0.3450, 0.4313 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 49.1852, 0.3450, 0.4313 by changing the saturation by 10% instead.


 49.1852, 0.3450,
0.4313

 49.1852, 0.3450,
0.4313


383.4710, 0.3306,
0.3790


 34.7664, 0.3479,
0.4445


 88.9665, 0.3403,
0.4121

 23.4830, 0.3511,
0.4615


 115.0977, 0.3383,
0.4050

 14.9506, 0.3546,
0.4839


 145.9019, 0.3366,
0.3989

 8.7847, 0.3575,
0.5146

181.7635, 0.3351,
0.3938

 4.6010, 0.3590,
0.5601

223.0667, 0.3338,
0.3893

 2.0151, 0.3587,
0.6413

270.1962, 0.3326,

 0.6162, 0.0715,

0.3854

0.9285

323.5361, 0.3316,
0.3820

0.0000, 0.0000,
0.0000

49.1852, 0.3450,
0.4313

49.1852, 0.3450,
0.4313

47.9741, 0.3518,
0.4592

50.5435, 0.3371,
0.4031

46.8969, 0.3570,
0.4858

52.0486, 0.3286,
0.3755

45.9486, 0.3602,
0.5095

53.7084, 0.3199,
0.3493

45.1207, 0.3611,
0.5294


55.5284, 0.3112,
0.3249


44.4038, 0.3595,
0.5444


57.5136, 0.3028,
0.3024


 43.7834, 0.3559,
0.5546

 59.6690, 0.2948,
0.2819

 43.6817, 0.3551,
0.5562

 61.7909, 0.2893,
0.2665

 62.9514, 0.2945,
0.2675

 64.1623, 0.2998,
0.2684

Harmonies

Analogous

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



49.1852, 0.3940, 0.4202



49.1852, 0.3450, 0.4313



49.1852, 0.2898, 0.4076

Triad

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



49.1852, 0.3450, 0.4313



49.1852, 0.2131, 0.2598



49.1852, 0.3838, 0.3003

Complementary

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



49.1852, 0.3450, 0.4313



24.0495, 0.2689, 0.2215

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.



49.1852, 0.3287, 0.2654



49.1852, 0.3450, 0.4313



49.1852, 0.2328, 0.2416

Square

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



49.1852, 0.3450, 0.4313



49.1852, 0.2166, 0.3000



49.1852, 0.2735, 0.2444



49.1852, 0.4193, 0.3429

Rectangle

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



49.1852, 0.3450, 0.4313



49.1852, 0.2571, 0.3748



49.1852, 0.2735, 0.2444



49.1852, 0.3667, 0.2875

Sweetspot

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



49.1874, 0.3450, 0.4313



96.3925, 0.3225, 0.3568



34.4544, 0.3918, 0.3660



20.5422, 0.3237, 0.3604



0.0000, 0.0000, 0.0000



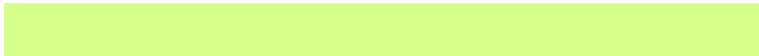
21.4041, 0.3127, 0.3290

Same Dimension

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



49.1874, 0.3450, 0.4313



87.2312, 0.3508, 0.4550



45.6856, 0.3147, 0.4417



11.5646, 0.3209, 0.3521



28.1183, 0.3560, 0.5555



1.2531, 0.3703, 0.5442

Inverse Universe

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



24.0495, 0.2689, 0.2215



35.1900, 0.2564, 0.1951



28.1008, 0.3066, 0.2325



9.9269, 0.3040, 0.3056



3.5193, 0.1812, 0.0772



0.1915, 0.2075, 0.0917

Previews

White Background



This preview shows how the Yxy color 49.1852, 0.3450, 0.4313 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 49.1852, 0.3450, 0.4313 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 49.1852, 0.3450, 0.4313

Background



This preview shows how black text looks on a background with the Yxy color 49.1852, 0.3450, 0.4313.



This preview shows how white text looks on a background with the Yxy color 49.1852, 0.3450, 0.4313.

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

49.1852, 0.3450, 0.4313

Protanopia

48.9587, 0.3825, 0.4150

Deuteranopia

48.8511, 0.3986, 0.3914



Tritanopia

48.9186, 0.2958, 0.3099

Trichromacy



Original Color

49.1852, 0.3450, 0.4313

Protanomaly

49.0821, 0.3689, 0.4218

Deuteranomaly

48.7097, 0.3774, 0.4055

Tritanomaly

48.9194, 0.3141, 0.3529

Monochromacy



Original Color

49.1852, 0.3450, 0.4313

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.2805, 0.3255, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1852, 0.3450, 0.4313 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(168, 196, 121)` looks like.

```
.text, #text, p{  
    color:rgb(168, 196, 121)  
}
```

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(168, 196, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 196, 121) }
```

Border

The CSS property to change the border of an element to Yxy 49.1852, 0.3450, 0.4313 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(168, 196, 121) }
```

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

```
.border{ border-color:rgb(168, 196, 121) }
```

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

Here you see how a box with a 4 pixel rgb(168, 196, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 196, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 196, 121);  
box-shadow:4px 4px 4px 4px rgb(168, 196,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1852, 0.3450, 0.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 196, 121) }
```

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

```
.background{ background-color: rgb(168,  
196, 121) }
```

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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