

Converting Colors

$Yxy(49.6599, 0.3598, 0.4118)$

Have a look what the booklet for
Yxy(49.6599, 0.3598, 0.4118)
contains.

Yxy(49.4853, 0.3599, 0.4122)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.4853, 0.3599, 0.4122)

Conversions

Conversions Part 1

Format	Color
Hex	BCBF7F
RGB	188, 191, 127
RGB Percent	74%, 75%, 50%
CMY	0.2626, 0.2510, 0.5019
CMYK	0.02, 0.00, 0.33, 0.25
HSL	63°, 33%, 62%
HSV	63°, 33%, 75%
XYZ	43.2066, 49.4853, 27.3598
YIQ	182.8070, 18.7560, -20.5400

Conversions

Conversions Part 2

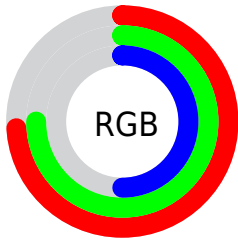
Format	Color
RYB	127, 191, 130
Decimal	12369791
CIELab	75.75, -11.03, 31.99
CIELCh	76, 33.837, 109.031
Yxy	49.4853, 0.3599, 0.4122
Android (android.graphics.Color)	4290559871 (0xFFBCBF7F)
YUV	182.8070, -27.5129, 4.5543
Hunter-Lab	70.3458, -13.4699, 26.1822

Details

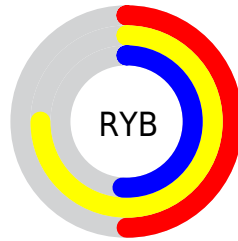
The Yxy color $49.4853, 0.3599, 0.4122$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $23.6908, 0.2559, 0.2314$, and the grayscale version is $47.3925, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.2293, 0.3524, 0.3973$, and $23.7811, 0.3712, 0.4357$ is the 20% darker color. If you saturate the color by 10%, you get $48.9235, 0.3731, 0.4361$, and if you desaturate by 10%, it is $50.1467, 0.3459, 0.3872$.

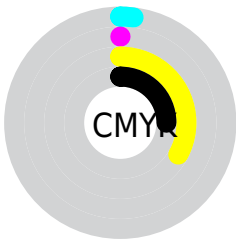
Distribution



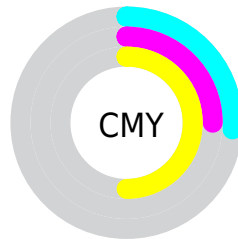
- Red (74%)
- Green (75%)
- Blue (50%)



- Red (50%)
- Yellow (75%)
- Blue (51%)



- Cyan (2%)
- Magenta (0%)
- Yellow (33%)
- Black (25%)




- Cyan (26%)
- Magenta (25%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4853, 0.3599, 0.4122 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 49.4853, 0.3599, 0.4122 by changing the saturation by 10% instead.

 49.4853, 0.3599,
0.4122

 49.4853, 0.3599,
0.4122


384.6497, 0.3375,
0.3705


 35.0046, 0.3650,
0.4225


 89.4118, 0.3521,
0.3971

 23.6664, 0.3712,
0.4355


 115.6264, 0.3491,
0.3914

 15.0864, 0.3788,
0.4525


 146.5211, 0.3464,
0.3866

 8.8800, 0.3880,
0.4753

182.4803, 0.3442,
0.3824

 4.6630, 0.3986,
0.5070

223.8883, 0.3422,
0.3789

 2.0509, 0.4248,
0.5752

271.1297, 0.3404,

 0.6368, 0.3453,

0.3757

0.6547

324.5887, 0.3389,
0.3729

0.0000, 0.0000,
0.0000

49.4853, 0.3599,
0.4122

49.4853, 0.3599,
0.4122

48.9235, 0.3731,
0.4361

50.1467, 0.3459,
0.3872

48.4491, 0.3850,
0.4579

50.9059, 0.3316,
0.3621

48.0587, 0.3950,
0.4767


51.7697, 0.3175,
0.3374

47.7455, 0.4027,
0.4918


52.7424, 0.3040,
0.3138


47.5020, 0.4079,
0.5025

53.8281, 0.2911,
0.2916


 47.3191, 0.4105,
0.5090

 55.0306, 0.2791,
0.2710

 47.2211, 0.4112,
0.5117

 55.9798, 0.2715,
0.2576

 56.0976, 0.2721,
0.2578

 56.2161, 0.2727,
0.2579

Harmonies

Analogous

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



49.4853, 0.3936, 0.3946



49.4853, 0.3599, 0.4122



49.4853, 0.3150, 0.4049

Triad

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



49.4853, 0.3599, 0.4122



49.4853, 0.2280, 0.2853



49.4853, 0.3521, 0.2909

Complementary

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



49.4853, 0.3599, 0.4122



23.6908, 0.2559, 0.2314

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.



49.4853, 0.3049, 0.2659



49.4853, 0.3599, 0.4122



49.4853, 0.2360, 0.2608

Square

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



49.4853, 0.3599, 0.4122



49.4853, 0.2403, 0.3256



49.4853, 0.2631, 0.2548



49.4853, 0.3901, 0.3250

Rectangle

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



49.4853, 0.3599, 0.4122



49.4853, 0.2850, 0.3849



49.4853, 0.2631, 0.2548



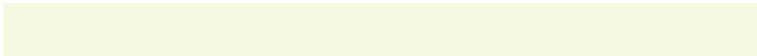
49.4853, 0.3367, 0.2813

Sweetspot

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



49.4875, 0.3599, 0.4122



91.6722, 0.3269, 0.3537



28.3499, 0.3889, 0.3322



20.0835, 0.3289, 0.3573



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



49.4875, 0.3599, 0.4122



87.8987, 0.3695, 0.4294



45.9484, 0.3324, 0.4203



11.0974, 0.3257, 0.3517



31.0445, 0.4114, 0.5116



1.2230, 0.4134, 0.5100

Inverse Universe

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



23.6908, 0.2559, 0.2314



34.8181, 0.2414, 0.2069



26.5375, 0.2858, 0.2391



9.2459, 0.2991, 0.3053



2.5194, 0.1517, 0.0609



0.1060, 0.1583, 0.0646

Previews

White Background



This preview shows how the Yxy color 49.4853, 0.3599, 0.4122 looks on a white background.

Color Contrast Check

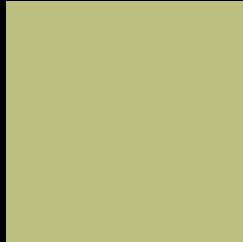
Large Text (above 18pt) WCAG AA × Fail

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 49.4853, 0.3599, 0.4122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

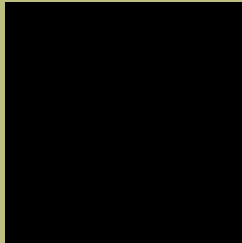
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4853, 0.3599, 0.4122

Background



This preview shows how black text looks on a background with the Yxy color 49.4853, 0.3599, 0.4122.



This preview shows how white text looks on a background with the Yxy color 49.4853, 0.3599, 0.4122.

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

49.4853, 0.3599, 0.4122

Protanopia

49.1550, 0.3762, 0.4054

Deuteranopia

49.3815, 0.3938, 0.3868



Tritanopia

49.3574, 0.3136, 0.3106

Trichromacy



Original Color

49.4853, 0.3599, 0.4122

Protanomaly

49.3431, 0.3700, 0.4077

Deuteranomaly

49.1536, 0.3817, 0.3952

Tritanomaly

49.1458, 0.3308, 0.3455

Monochromacy



Original Color

49.4853, 0.3599, 0.4122

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.0764, 0.3300, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4853, 0.3599, 0.4122 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(188, 191, 127)` looks like.

```
.text, #text, p{  
    color:rgb(188, 191, 127)  
}
```

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(188, 191, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 191, 127) }
```

Border

The CSS property to change the border of an element to Yxy 49.4853, 0.3599, 0.4122 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(188, 191, 127) }
```

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

```
.border{ border-color:rgb(188, 191, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 191, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 191, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 191, 127);  
box-shadow:4px 4px 4px 4px rgb(188, 191,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4853, 0.3599, 0.4122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 191, 127) }
```

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

```
.background{ background-color: rgb(188,  
191, 127) }
```

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