

Converting Colors

Yxy(51.0852, 0.3084, 0.3944)

Have a look what the booklet for
Yxy(51.0852, 0.3084, 0.3944)
contains.

Yxy(50.8787, 0.3089, 0.3943)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.8787, 0.3089, 0.3943)

Conversions

Conversions Part 1

Format	Color
Hex	99C99A
RGB	153, 201, 154
RGB Percent	60%, 79%, 60%
CMY	0.3999, 0.2118, 0.3960
CMYK	0.24, 0.00, 0.23, 0.21
HSL	121°, 31%, 69%
HSV	121°, 24%, 79%
XYZ	39.8591, 50.8787, 38.2977
YIQ	181.2900, -13.5210, -24.7930

Conversions

Conversions Part 2

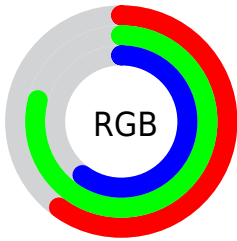
Format	Color
RYB	153, 200, 201
Decimal	10078618
CIELab	76.61, -24.91, 18.49
CIELCh	77, 31.018, 143.417
Yxy	50.8787, 0.3089, 0.3943
Android (android.graphics.Color)	4288268698 (0xFF99C99A)
YUV	181.2900, -13.4540, -24.8103
Hunter-Lab	71.3293, -25.0799, 18.0969

Details

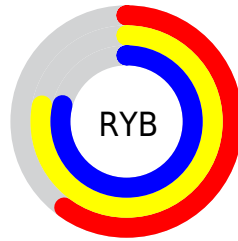
The Yxy color **50.8787, 0.3089, 0.3943** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.3749, 0.3164, 0.2714**, and the grayscale version is **46.4562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5333, 0.3098, 0.3785**, and **24.6134, 0.3068, 0.4138** is the 20% darker color. If you saturate the color by 10%, you get **48.4837, 0.3071, 0.4270**, and if you desaturate by 10%, it is **53.7150, 0.3106, 0.3646**.

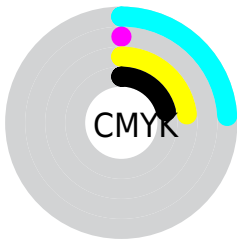
Distribution



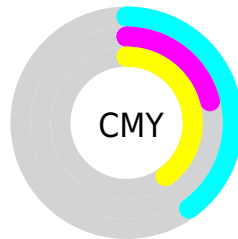
- Red (60%)
- Green (79%)
- Blue (60%)



- Red (60%)
- Yellow (78%)
- Blue (79%)



- Cyan (24%)
- Magenta (0%)
- Yellow (23%)
- Black (21%)




- Cyan (40%)
- Magenta (21%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8787, 0.3089, 0.3943 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 50.8787, 0.3089, 0.3943 by changing the saturation by 10% instead.


 50.8787, 0.3089,
0.3943

 50.8787, 0.3089,
0.3943

390.0923, 0.3114,
0.3609

 36.1121, 0.3081,
0.4029


 91.4754, 0.3100,
0.3820

 24.5208, 0.3068,
0.4140


 118.0744, 0.3103,
0.3774

 15.7204, 0.3050,
0.4291


149.3862, 0.3106,
0.3735

 9.3265, 0.3020,
0.4505

185.7953, 0.3109,
0.3703

 4.9548, 0.2965,
0.4831

227.6860, 0.3110,
0.3674

 2.2207, 0.2864,
0.5409

275.4429, 0.3112,

 0.7313, 0.1063,

0.3650

0.8937

329.4502, 0.3113,
0.3628

0.0000, 0.0000,
0.0000

50.8787, 0.3089,
0.3943

50.8787, 0.3089,
0.3943

48.4837, 0.3071,
0.4270

53.7150, 0.3106,
0.3646

46.5018, 0.3053,
0.4617

57.0063, 0.3122,
0.3383

44.9115, 0.3035,
0.4969

60.7738, 0.3136,
0.3153

43.6870, 0.3020,
0.5302

65.0353, 0.3148,
0.2954

42.7991, 0.3008,
0.5589

69.8078, 0.3159,
0.2784

■ 42.2142, 0.3001,
0.5808

■ 70.2535, 0.3152,
0.2762

■ 41.8921, 0.2998,
0.5942

■ 41.7827, 0.2997,
0.5988

Harmonies

Analogous

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



50.8787, 0.3503, 0.4050



50.8787, 0.3089, 0.3943



50.8787, 0.2702, 0.3617

Triad

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



50.8787, 0.3089, 0.3943



50.8787, 0.2452, 0.2650



50.8787, 0.3864, 0.3307

Complementary

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



50.8787, 0.3089, 0.3943



39.3749, 0.3164, 0.2714

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.



50.8787, 0.3545, 0.2984



50.8787, 0.3089, 0.3943



50.8787, 0.2724, 0.2616

Square

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



50.8787, 0.3089, 0.3943



50.8787, 0.2351, 0.2852



50.8787, 0.3121, 0.2738



50.8787, 0.3969, 0.3645

Rectangle

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



50.8787, 0.3089, 0.3943



50.8787, 0.2508, 0.3340



50.8787, 0.3121, 0.2738



50.8787, 0.3778, 0.3194

Sweetspot

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



50.8809, 0.3089, 0.3943



95.6954, 0.3117, 0.3464



56.3809, 0.3477, 0.3882



20.4074, 0.3116, 0.3480



0.0000, 0.0000, 0.0000



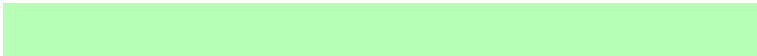
21.4041, 0.3127, 0.3290

Same Dimension

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



50.8809, 0.3089, 0.3943



84.7518, 0.3079, 0.4120



51.7539, 0.2928, 0.3604



11.8914, 0.3113, 0.3524



26.2729, 0.2996, 0.5985



1.2453, 0.2981, 0.5930

Inverse Universe

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



39.3749, 0.3164, 0.2714



61.4491, 0.3173, 0.2580



38.3476, 0.3386, 0.2996



10.8127, 0.3141, 0.3067



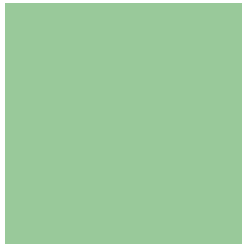
10.3385, 0.3261, 0.1570



0.4908, 0.3250, 0.1564

Previews

White Background



This preview shows how the Yxy color 50.8787, 0.3089, 0.3943 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 50.8787, 0.3089, 0.3943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

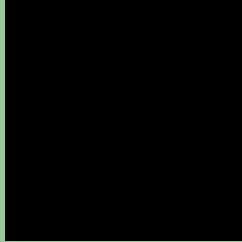
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8787, 0.3089, 0.3943

Background



This preview shows how black text looks on a background with the Yxy color 50.8787, 0.3089, 0.3943.

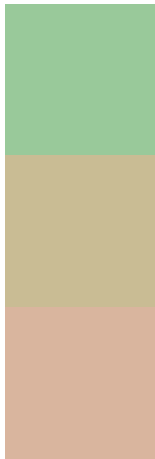


This preview shows how white text looks on a background with the Yxy color 50.8787, 0.3089, 0.3943.

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

50.8787, 0.3089, 0.3943

Protanopia

50.5221, 0.3560, 0.3793

Deuteranopia

50.2681, 0.3641, 0.3567



Tritanopia

50.9736, 0.2789, 0.3096

Trichromacy



Original Color

50.8787, 0.3089, 0.3943

Protanomaly

50.5323, 0.3381, 0.3853

Deuteranomaly

49.8701, 0.3424, 0.3687

Tritanomaly

50.9776, 0.2894, 0.3396

Monochromacy



Original Color

50.8787, 0.3089, 0.3943

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.5646, 0.3116, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8787, 0.3089, 0.3943 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(153, 201, 154)` looks like.

```
.text, #text, p{  
    color:rgb(153, 201, 154)  
}
```

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(153, 201, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 201, 154) }
```

Border

The CSS property to change the border of an element to Yxy 50.8787, 0.3089, 0.3943 is called "border". The border property can be set on classes, ids or directly on the HTML element.

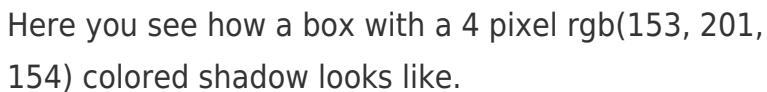
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 201, 154) }
```

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

```
.border{ border-color:rgb(153, 201, 154) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 201, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 201, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 201, 154);  
box-shadow:4px 4px 4px 4px rgb(153, 201,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8787, 0.3089, 0.3943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 201, 154) }
```

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

```
.background{ background-color: rgb(153,  
201, 154) }
```

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