

Converting Colors

$Yxy(51.2577, 0.3185, 0.3803)$

Have a look what the booklet for
Yxy(51.2577, 0.3185, 0.3803)
contains.

Yxy(51.4374, 0.3189, 0.3812)	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(51.4374, 0.3189, 0.3812)

Conversions

Conversions Part 1

Format	Color
Hex	AAC69F
RGB	170, 198, 159
RGB Percent	67%, 78%, 62%
CMY	0.3333, 0.2235, 0.3764
CMYK	0.14, 0.00, 0.20, 0.22
HSL	103°, 25%, 70%
HSV	103°, 20%, 78%
XYZ	43.0309, 51.4374, 40.4671
YIQ	185.1820, -4.1690, -18.0650

Conversions

Conversions Part 2

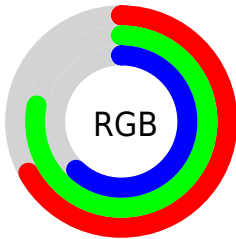
Format	Color
RYB	159, 198, 187
Decimal	11191967
CIELab	76.94, -16.69, 16.45
CIElCh	77, 23.434, 135.409
Yxy	51.4374, 0.3189, 0.3812
Android (android.graphics.Color)	4289382047 (0xFFAAC69F)
YUV	185.1820, -12.9077, -13.3146
Hunter-Lab	71.7199, -18.4123, 16.7502

Details

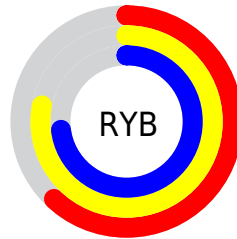
The Yxy color **51.4374, 0.3189, 0.3812** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.4452, 0.3049, 0.2791**, and the grayscale version is **48.6991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5438, 0.3182, 0.3715**, and **24.7900, 0.3199, 0.3973** is the 20% darker color. If you saturate the color by 10%, you get **49.3062, 0.3216, 0.4114**, and if you desaturate by 10%, it is **53.8546, 0.3158, 0.3534**.

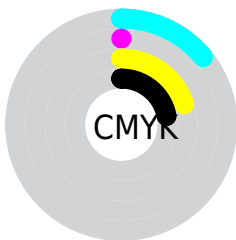
Distribution



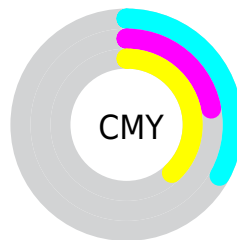
- Red (67%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (73%)



- Cyan (14%)
- Magenta (0%)
- Yellow (20%)
- Black (22%)





- Cyan (33%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4374, 0.3189, 0.3812 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 51.4374, 0.3189, 0.3812 by changing the saturation by 10% instead.


 51.4374, 0.3189,
0.3812


 51.4374, 0.3189,
0.3812


392.2608, 0.3163,
0.3548

 36.5568, 0.3194,
0.3879


 92.3010, 0.3180,
0.3715

 24.8646, 0.3200,
0.3965


 119.0528, 0.3177,
0.3679

 15.9762, 0.3206,
0.4081


150.5305, 0.3174,
0.3649

 9.5073, 0.3211,
0.4243

187.1184, 0.3171,
0.3623

 5.0735, 0.3213,
0.4488

229.2011, 0.3169,
0.3600

 2.2905, 0.3198,
0.4895

277.1627, 0.3166,

 0.7687, 0.2960,

0.3581

0.7040

331.3878, 0.3164,
0.3563

0.0000, 0.0000,
0.0000

51.4374, 0.3189,
0.3812

51.4374, 0.3189,
0.3812

49.3062, 0.3216,
0.4114

53.8546, 0.3158,
0.3534

47.4437, 0.3237,
0.4434

56.5611, 0.3126,
0.3283

45.8406, 0.3249,
0.4761

59.5689, 0.3093,
0.3059

44.4849, 0.3250,
0.5079

62.8869, 0.3061,
0.2861

43.3632, 0.3237,
0.5368

66.3281, 0.3051,
0.2714

■ 42.4608, 0.3210,
0.5609

■ 68.8695, 0.3153,
0.2732

■ 41.7610, 0.3170,
0.5786

■ 41.2387, 0.3125,
0.5899

■ 41.2247, 0.3123,
0.5902

Harmonies

Analogous

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



51.4374, 0.3492, 0.3851



51.4374, 0.3189, 0.3812



51.4374, 0.2880, 0.3609

Triad

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



51.4374, 0.3189, 0.3812



51.4374, 0.2576, 0.2834



51.4374, 0.3629, 0.3239

Complementary

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



51.4374, 0.3189, 0.3812



39.4452, 0.3049, 0.2791

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.



51.4374, 0.3362, 0.2999



51.4374, 0.3189, 0.3812



51.4374, 0.2755, 0.2768

Square

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



51.4374, 0.3189, 0.3812



51.4374, 0.2537, 0.3027



51.4374, 0.3040, 0.2830



51.4374, 0.3756, 0.3502

Rectangle

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



51.4374, 0.3189, 0.3812



51.4374, 0.2711, 0.3415



51.4374, 0.3040, 0.2830



51.4374, 0.3552, 0.3154

Sweetspot

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



51.4396, 0.3189, 0.3812



97.0287, 0.3147, 0.3440



50.0319, 0.3445, 0.3644



20.7014, 0.3149, 0.3457



0.0000, 0.0000, 0.0000



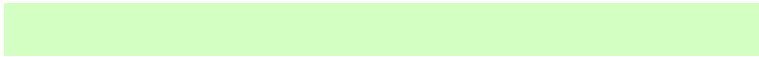
21.4041, 0.3127, 0.3290

Same Dimension

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



51.4396, 0.3189, 0.3812



89.2622, 0.3202, 0.3950



50.5690, 0.3043, 0.3706



12.0302, 0.3157, 0.3526



26.8463, 0.3131, 0.5896



1.3086, 0.3295, 0.5766

Inverse Universe

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



39.4452, 0.3049, 0.2791



63.8487, 0.3027, 0.2667



40.5057, 0.3225, 0.2907



10.6606, 0.3094, 0.3059



6.4475, 0.2512, 0.1158



0.3404, 0.2663, 0.1241

Previews

White Background



This preview shows how the Yxy color 51.4374, 0.3189, 0.3812 looks on a white background.

Color Contrast Check

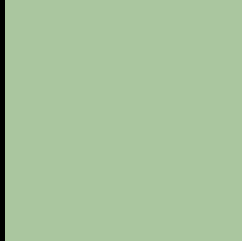
Large Text (above 18pt) WCAG AA × Fail

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 51.4374, 0.3189, 0.3812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

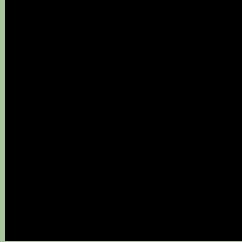
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4374, 0.3189, 0.3812

Background



This preview shows how black text looks on a background with the Yxy color 51.4374, 0.3189, 0.3812.



This preview shows how white text looks on a background with the Yxy color 51.4374, 0.3189, 0.3812.

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

51.4374, 0.3189, 0.3812

Protanopia

51.1793, 0.3500, 0.3716

Deuteranopia

50.9700, 0.3612, 0.3530



Tritanopia

51.2316, 0.2909, 0.3089

Trichromacy



Original Color

51.4374, 0.3189, 0.3812

Protanomaly

51.0467, 0.3388, 0.3753

Deuteranomaly

50.9572, 0.3453, 0.3628

Tritanomaly

51.4152, 0.3007, 0.3341

Monochromacy



Original Color

51.4374, 0.3189, 0.3812

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.6648, 0.3151, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4374, 0.3189, 0.3812 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, 198, 159)` looks like.

```
.text, #text, p{  
    color:rgb(170, 198, 159)  
}
```

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, 198, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 198, 159) }
```

Border

The CSS property to change the border of an element to Yxy 51.4374, 0.3189, 0.3812 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, 198, 159) }
```

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

```
.border{ border-color:rgb(170, 198, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 198, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 198, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 198, 159);  
box-shadow:4px 4px 4px 4px rgb(170, 198,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4374, 0.3189, 0.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 198, 159) }
```

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

```
.background{ background-color: rgb(170,  
198, 159) }
```

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