

Converting Colors

$Yxy(51.5317, 0.3214, 0.3842)$

Have a look what the booklet for
Yxy(51.5317, 0.3214, 0.3842)
contains.

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Color

Yxy(51.4804, 0.3212, 0.3838)

Conversions

Conversions Part 1

Format	Color
Hex	ABC69D
RGB	171, 198, 157
RGB Percent	67%, 78%, 62%
CMY	0.3292, 0.2236, 0.3843
CMYK	0.14, 0.00, 0.21, 0.22
HSL	99°, 26%, 70%
HSV	99°, 21%, 78%
XYZ	43.0836, 51.4804, 39.5694
YIQ	185.2530, -2.9310, -18.4750

Conversions

Conversions Part 2

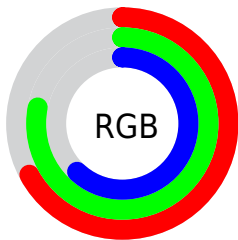
Format	Color
RYB	157, 198, 184
Decimal	11257501
CIELab	76.97, -16.64, 17.57
CIElCh	77, 24.200, 133.452
Yxy	51.4804, 0.3212, 0.3838
Android (android.graphics.Color)	4289447581 (0xFFABC69D)
YUV	185.2530, -13.9287, -12.4999
Hunter-Lab	71.7498, -18.3783, 17.5270

Details

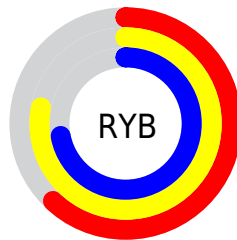
The Yxy color **51.4804, 0.3212, 0.3838** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.3795, 0.3022, 0.2761**, and the grayscale version is **48.7504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6044, 0.3200, 0.3735**, and **24.8387, 0.3220, 0.3990** is the 20% darker color. If you saturate the color by 10%, you get **49.4692, 0.3248, 0.4138**, and if you desaturate by 10%, it is **53.7496, 0.3172, 0.3560**.

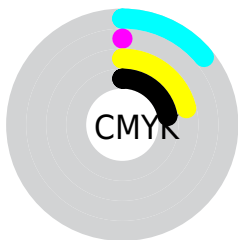
Distribution



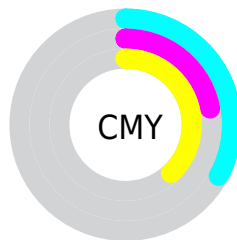
- Red (67%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (72%)



- Cyan (14%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4804, 0.3212, 0.3838 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 51.4804, 0.3212, 0.3838 by changing the saturation by 10% instead.


 51.4804, 0.3212,
0.3838


 51.4804, 0.3212,
0.3838


392.4274, 0.3175,
0.3561

 36.5911, 0.3220,
0.3908


 92.3645, 0.3200,
0.3737

 24.8910, 0.3229,
0.3999


 119.1280, 0.3195,
0.3699

 15.9959, 0.3239,
0.4120


150.6185, 0.3190,
0.3667

 9.5212, 0.3249,
0.4290


187.2201, 0.3186,
0.3639

 5.0827, 0.3257,
0.4545

229.3175, 0.3183,
0.3616

 2.2959, 0.3254,
0.4975

277.2949, 0.3180,

 0.7715, 0.2977,

0.3595

0.7023

331.5367, 0.3177,
0.3577

0.0000, 0.0000,
0.0000

51.4804, 0.3212,
0.3838

51.4804, 0.3212,
0.3838

49.4692, 0.3248,
0.4138

53.7496, 0.3172,
0.3560

47.6998, 0.3277,
0.4453

56.2791, 0.3130,
0.3307

46.1646, 0.3297,
0.4772

59.0794, 0.3088,
0.3079


44.8527, 0.3303,
0.5079


62.1586, 0.3047,
0.2877

43.7523, 0.3293,
0.5356


65.4592, 0.3015,
0.2708

 42.8504, 0.3266,
0.5586

 67.7706, 0.3110,
0.2725

 42.1321, 0.3224,
0.5754

 68.8640, 0.3153,
0.2732

 41.6070, 0.3177,
0.5859

Harmonies

Analogous

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



51.4804, 0.3521, 0.3865



51.4804, 0.3212, 0.3838



51.4804, 0.2891, 0.3638

Triad

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



51.4804, 0.3212, 0.3838



51.4804, 0.2552, 0.2828



51.4804, 0.3632, 0.3220

Complementary

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



51.4804, 0.3212, 0.3838



38.3795, 0.3022, 0.2761

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.



51.4804, 0.3348, 0.2976



51.4804, 0.3212, 0.3838



51.4804, 0.2728, 0.2752

Square

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



51.4804, 0.3212, 0.3838



51.4804, 0.2521, 0.3035



51.4804, 0.3015, 0.2808



51.4804, 0.3774, 0.3491

Rectangle

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



51.4804, 0.3212, 0.3838



51.4804, 0.2713, 0.3439



51.4804, 0.3015, 0.2808



51.4804, 0.3549, 0.3133

Sweetspot

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



51.4826, 0.3212, 0.3838



97.1955, 0.3153, 0.3440



48.5745, 0.3470, 0.3629



20.7408, 0.3156, 0.3457



0.0000, 0.0000, 0.0000



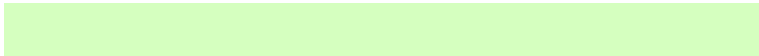
21.4041, 0.3127, 0.3290

Same Dimension

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



51.4826, 0.3212, 0.3838



89.4525, 0.3230, 0.3976



50.2035, 0.3057, 0.3769



12.0616, 0.3166, 0.3525



27.1038, 0.3187, 0.5852



1.3235, 0.3355, 0.5718

Inverse Universe

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



38.3795, 0.3022, 0.2761



61.9410, 0.2993, 0.2634



39.9218, 0.3206, 0.2854



10.6277, 0.3084, 0.3058



5.7950, 0.2369, 0.1079



0.3133, 0.2548, 0.1177

Previews

White Background



This preview shows how the Yxy color 51.4804, 0.3212, 0.3838 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 51.4804, 0.3212, 0.3838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

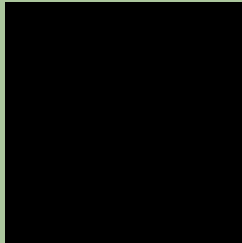
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4804, 0.3212, 0.3838

Background



This preview shows how black text looks on a background with the Yxy color 51.4804, 0.3212, 0.3838.



This preview shows how white text looks on a background with the Yxy color 51.4804, 0.3212, 0.3838.

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

51.4804, 0.3212, 0.3838

Protanopia

51.1126, 0.3516, 0.3741

Deuteranopia

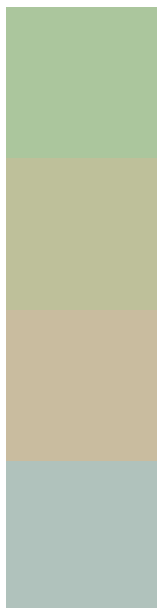
50.8994, 0.3630, 0.3554



Tritanopia

51.3015, 0.2924, 0.3101

Trichromacy



Original Color

51.4804, 0.3212, 0.3838

Protanomaly

50.9795, 0.3404, 0.3779

Deuteranomaly

50.8871, 0.3470, 0.3653

Tritanomaly

51.4445, 0.3029, 0.3367

Monochromacy



Original Color

51.4804, 0.3212, 0.3838

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.6254, 0.3159, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4804, 0.3212, 0.3838 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(171, 198, 157)` looks like.

```
.text, #text, p{  
    color:rgb(171, 198, 157)  
}
```

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(171, 198, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 198, 157) }
```

Border

The CSS property to change the border of an element to Yxy 51.4804, 0.3212, 0.3838 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(171, 198, 157) }
```

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

```
.border{ border-color:rgb(171, 198, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 198, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 198, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 198, 157);  
box-shadow:4px 4px 4px 4px rgb(171, 198,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4804, 0.3212, 0.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 198, 157) }
```

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

```
.background{ background-color: rgb(171,  
198, 157) }
```

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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