

Converting Colors

$Yxy(51.0282, 0.3114, 0.3873)$

Have a look what the booklet for
Yxy(51.0282, 0.3114, 0.3873)
contains.

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Color

Yxy(51.1138, 0.3115, 0.3880)

Conversions

Conversions Part 1

Format	Color
Hex	9FC89D
RGB	159, 200, 157
RGB Percent	62%, 78%, 62%
CMY	0.3765, 0.2157, 0.3844
CMYK	0.21, 0.00, 0.22, 0.22
HSL	117°, 28%, 70%
HSV	117°, 22%, 78%
XYZ	41.0360, 51.1138, 39.5868
YIQ	182.8390, -10.6330, -22.0650

Conversions

Conversions Part 2

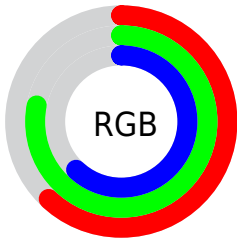
Format	Color
RYB	157, 200, 198
Decimal	10471581
CIELab	76.75, -21.87, 17.17
CIELCh	77, 27.805, 141.877
Yxy	51.1138, 0.3115, 0.3880
Android (android.graphics.Color)	4288661661 (0xFF9FC89D)
YUV	182.8390, -12.7386, -20.9068
Hunter-Lab	71.4939, -22.6592, 17.2163

Details

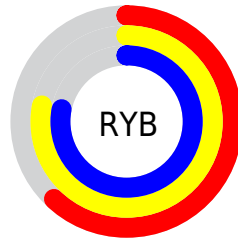
The Yxy color **51.1138, 0.3115, 0.3880** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.2763, 0.3133, 0.2758**, and the grayscale version is **47.3364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5696, 0.3118, 0.3747**, and **24.7242, 0.3102, 0.4048** is the 20% darker color. If you saturate the color by 10%, you get **48.6876, 0.3106, 0.4204**, and if you desaturate by 10%, it is **53.9566, 0.3122, 0.3587**.

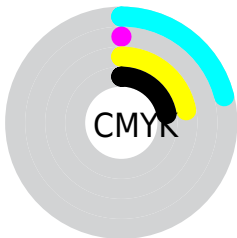
Distribution



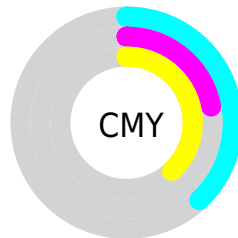
- Red (62%)
- Green (78%)
- Blue (62%)



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



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1138, 0.3115, 0.3880 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 51.1138, 0.3115, 0.3880 by changing the saturation by 10% instead.


 51.1138, 0.3115,
0.3880


 51.1138, 0.3115,
0.3880


391.0058, 0.3126,
0.3579

 36.2992, 0.3110,
0.3957


 91.8230, 0.3120,
0.3769

 24.6653, 0.3104,
0.4056


 118.4863, 0.3122,
0.3728

 15.8279, 0.3093,
0.4190


149.8680, 0.3123,
0.3694

 9.4025, 0.3073,
0.4380

186.3525, 0.3124,
0.3664

 5.0046, 0.3037,
0.4668

228.3241, 0.3125,
0.3639

 2.2500, 0.2960,
0.5162

276.1672, 0.3126,

 0.7470, 0.1907,

0.3616

0.8093

330.2663, 0.3126,
0.3597

0.0000, 0.0000,
0.0000

51.1138, 0.3115,
0.3880

51.1138, 0.3115,
0.3880

48.6876, 0.3106,
0.4204

53.9566, 0.3122,
0.3587

46.6522, 0.3095,
0.4550

57.2272, 0.3127,
0.3327

44.9891, 0.3081,
0.4903

60.9448, 0.3130,
0.3099

43.6758, 0.3066,
0.5242

65.1252, 0.3132,
0.2903

42.6873, 0.3049,
0.5541

69.6559, 0.3147,
0.2751

■ 41.9953, 0.3032,
0.5773

■ 69.7917, 0.3152,
0.2752

■ 41.5665, 0.3017,
0.5923

■ 41.3726, 0.3009,
0.5993

Harmonies

Analogous

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



51.1138, 0.3485, 0.3967



51.1138, 0.3115, 0.3880



51.1138, 0.2762, 0.3600

Triad

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



51.1138, 0.3115, 0.3880



51.1138, 0.2510, 0.2720



51.1138, 0.3775, 0.3292

Complementary

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



51.1138, 0.3115, 0.3880



40.2763, 0.3133, 0.2758

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.



51.1138, 0.3484, 0.3001



51.1138, 0.3115, 0.3880



51.1138, 0.2750, 0.2680

Square

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



51.1138, 0.3115, 0.3880



51.1138, 0.2427, 0.2913



51.1138, 0.3103, 0.2783



51.1138, 0.3881, 0.3599

Rectangle

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



51.1138, 0.3115, 0.3880



51.1138, 0.2582, 0.3357



51.1138, 0.3103, 0.2783



51.1138, 0.3695, 0.3191

Sweetspot

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



51.1160, 0.3115, 0.3880



96.3927, 0.3125, 0.3441



55.0354, 0.3454, 0.3796



20.5516, 0.3124, 0.3458



0.0000, 0.0000, 0.0000



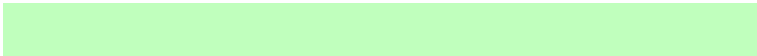
21.4041, 0.3127, 0.3290

Same Dimension

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



51.1160, 0.3115, 0.3880



86.3654, 0.3111, 0.4034



51.6246, 0.2966, 0.3609



11.9114, 0.3123, 0.3528



26.3152, 0.3012, 0.5991



1.2545, 0.3053, 0.5958

Inverse Universe

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



40.2763, 0.3133, 0.2758



64.1574, 0.3134, 0.2636



39.7052, 0.3328, 0.2991



10.7901, 0.3130, 0.3062



9.6691, 0.3092, 0.1477



0.4659, 0.3118, 0.1491

Previews

White Background



This preview shows how the Yxy color 51.1138, 0.3115, 0.3880 looks on a white background.

Color Contrast Check

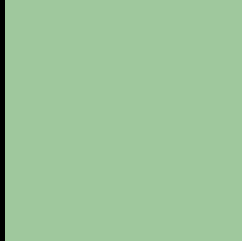
Large Text (above 18pt) WCAG AA × Fail

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 51.1138, 0.3115, 0.3880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

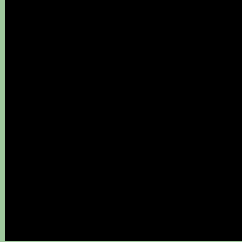
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.1138, 0.3115, 0.3880

Background



This preview shows how black text looks on a background with the Yxy color 51.1138, 0.3115, 0.3880.

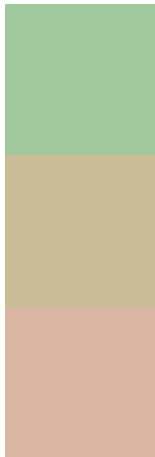


This preview shows how white text looks on a background with the Yxy color 51.1138, 0.3115, 0.3880.

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

51.1138, 0.3115, 0.3880

Protanopia

51.0471, 0.3532, 0.3767

Deuteranopia

50.7808, 0.3612, 0.3542



Tritanopia

51.0188, 0.2830, 0.3098

Trichromacy



Original Color

51.1138, 0.3115, 0.3880

Protanomaly

50.8789, 0.3375, 0.3810

Deuteranomaly

50.6690, 0.3415, 0.3658

Tritanomaly

51.1533, 0.2938, 0.3382

Monochromacy



Original Color

51.1138, 0.3115, 0.3880

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.4499, 0.3118, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1138, 0.3115, 0.3880 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(159, 200, 157)` looks like.

```
.text, #text, p{  
    color:rgb(159, 200, 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(159, 200, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 200, 157) }
```

Border

The CSS property to change the border of an element to Yxy 51.1138, 0.3115, 0.3880 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(159, 200, 157) }
```

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

```
.border{ border-color:rgb(159, 200, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 200, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 200, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 200, 157); box-shadow:4px 4px 4px 4px rgb(159, 200, 157) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1138, 0.3115, 0.3880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 200, 157) }
```

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

```
.background{ background-color: rgb(159,  
200, 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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