

Converting Colors

$Yxy(51.0812, 0.2863, 0.3799)$

Have a look what the booklet for
Yxy(51.0812, 0.2863, 0.3799)
contains.

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Color

Yxy(51.0812, 0.2863, 0.3799)

Conversions

Conversions Part 1

Format	Color
Hex	86CCA8
RGB	134, 204, 168
RGB Percent	53%, 80%, 66%
CMY	0.4744, 0.2000, 0.3411
CMYK	0.34, 0.00, 0.18, 0.20
HSL	149°, 41%, 66%
HSV	149°, 34%, 80%
XYZ	38.4958, 51.0812, 44.8826
YIQ	178.9660, -30.1640, -26.0360

Conversions

Conversions Part 2

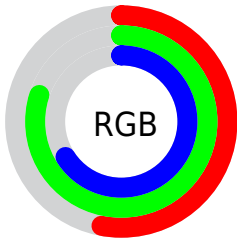
Format	Color
RYB	134, 181, 204
Decimal	8834216
CIELab	76.73, -29.75, 11.03
CIELCh	77, 31.732, 159.658
Yxy	51.0812, 0.2863, 0.3799
Android (android.graphics.Color)	4287024296 (0xFF86CCA8)
YUV	178.9660, -5.4062, -39.4352
Hunter-Lab	71.4711, -28.9308, 12.7967

Details

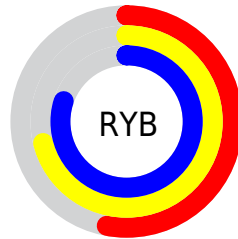
The Yxy color **51.0812, 0.2863, 0.3799** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.7966, 0.3516, 0.2835**, and the grayscale version is **45.1056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6665, 0.2910, 0.3641**, and **24.5052, 0.2783, 0.3944** is the 20% darker color. If you saturate the color by 10%, you get **49.1898, 0.2800, 0.3980**, and if you desaturate by 10%, it is **53.3317, 0.2935, 0.3632**.

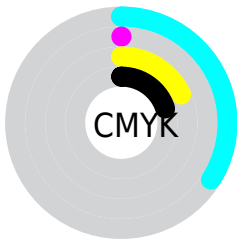
Distribution



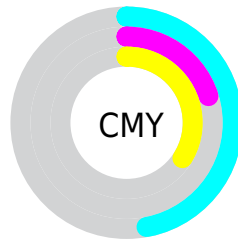
- Red (53%)
- Green (80%)
- Blue (66%)



- Red (53%)
- Yellow (71%)
- Blue (80%)



- Cyan (34%)
- Magenta (0%)
- Yellow (18%)
- Black (20%)





- Cyan (47%)
- Magenta (20%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0812, 0.2863, 0.3799 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 51.0812, 0.2863, 0.3799 by changing the saturation by 10% instead.


 51.0812, 0.2863,
0.3799


 51.0812, 0.2863,
0.3799


390.8792, 0.2997,
0.3540


 36.2732, 0.2829,
0.3865


 91.7748, 0.2912,
0.3704

 24.6453, 0.2785,
0.3951


 118.4292, 0.2931,
0.3668

 15.8130, 0.2725,
0.4068


 149.8012, 0.2946,
0.3638

 9.3919, 0.2641,
0.4233

186.2752, 0.2959,
0.3613

 4.9977, 0.2513,
0.4485

228.2356, 0.2971,
0.3591

 2.2459, 0.2296,
0.4916

276.0668, 0.2981,

 0.7448, 0.0000,

0.3571

0.9492

330.1532, 0.2989,
0.3555

0.0000, 0.0000,
0.0000

51.0812, 0.2863,
0.3799

51.0812, 0.2863,
0.3799

49.1898, 0.2800,
0.3980

53.3317, 0.2935,
0.3632

47.6318, 0.2750,
0.4171

55.9528, 0.3012,
0.3481

46.3880, 0.2715,
0.4371

58.9634, 0.3092,
0.3344


45.4344, 0.2698,
0.4573


62.3790, 0.3174,
0.3223

44.7436, 0.2700,
0.4773


66.2143, 0.3254,
0.3115

 44.2822, 0.2723,
0.4963

 70.2125, 0.3322,
0.3020

 44.0880, 0.2741,
0.5067

 70.8231, 0.3246,
0.2918

 71.4698, 0.3172,
0.2820

 71.6653, 0.3151,
0.2792

Harmonies

Analogous

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



51.0812, 0.3285, 0.4040



51.0812, 0.2863, 0.3799



51.0812, 0.2527, 0.3395

Triad

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



51.0812, 0.2863, 0.3799



51.0812, 0.2569, 0.2597



51.0812, 0.3969, 0.3495

Complementary

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



51.0812, 0.2863, 0.3799



32.7966, 0.3516, 0.2835

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.



51.0812, 0.3753, 0.3149



51.0812, 0.2863, 0.3799



51.0812, 0.2924, 0.2652

Square

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



51.0812, 0.2863, 0.3799



51.0812, 0.2368, 0.2709



51.0812, 0.3360, 0.2850



51.0812, 0.3939, 0.3819

Rectangle

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



51.0812, 0.2863, 0.3799



51.0812, 0.2390, 0.3116



51.0812, 0.3360, 0.2850



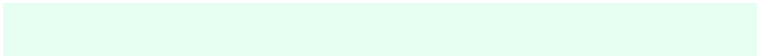
51.0812, 0.3923, 0.3379

Sweetspot

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



51.0833, 0.2863, 0.3799



94.6644, 0.3045, 0.3422



53.4731, 0.3357, 0.4223



20.1132, 0.3034, 0.3442



0.0000, 0.0000, 0.0000



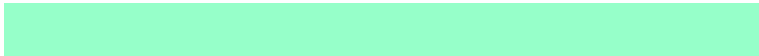
21.4041, 0.3127, 0.3290

Same Dimension

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



51.0833, 0.2863, 0.3799



82.2749, 0.2817, 0.3928



52.5595, 0.2652, 0.3304



12.6263, 0.3051, 0.3412



27.7684, 0.2734, 0.5041



1.4479, 0.2632, 0.4675

Inverse Universe

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



32.7966, 0.3516, 0.2835



47.5866, 0.3632, 0.2737



31.6486, 0.3916, 0.3277



11.3084, 0.3211, 0.3171



8.7397, 0.4882, 0.2463



0.4662, 0.4469, 0.2235

Previews

White Background



This preview shows how the Yxy color 51.0812, 0.2863, 0.3799 looks on a white background.

Color Contrast Check

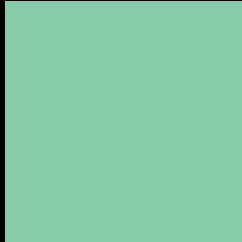
Large Text (above 18pt) WCAG AA × Fail

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 51.0812, 0.2863, 0.3799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

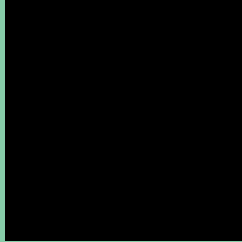
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.0812, 0.2863, 0.3799

Background



This preview shows how black text looks on a background with the Yxy color 51.0812, 0.2863, 0.3799.

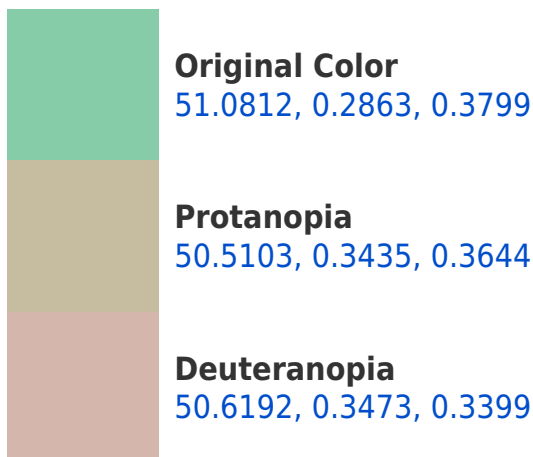


This preview shows how white text looks on a background with the Yxy color 51.0812, 0.2863, 0.3799.

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





Tritanopia

51.1725, 0.2638, 0.3079

Trichromacy



Original Color

51.0812, 0.2863, 0.3799



Protanomaly

50.3419, 0.3205, 0.3702



Deuteranomaly

49.9575, 0.3223, 0.3537



Tritanomaly

50.9152, 0.2717, 0.3329

Monochromacy



Original Color

51.0812, 0.2863, 0.3799



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

46.8481, 0.3021, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0812, 0.2863, 0.3799 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(134, 204, 168)` looks like.

```
.text, #text, p{  
    color:rgb(134, 204, 168)  
}
```

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(134, 204, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 204, 168) }
```

Border

The CSS property to change the border of an element to Yxy 51.0812, 0.2863, 0.3799 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(134, 204, 168) }
```

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

```
.border{ border-color:rgb(134, 204, 168) }
```

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

Here you see how a box with a 4 pixel rgb(134, 204, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 204, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 204, 168);  
box-shadow:4px 4px 4px 4px rgb(134, 204,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0812, 0.2863, 0.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 204, 168) }
```

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

```
.background{ background-color: rgb(134,  
204, 168) }
```

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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