

Converting Colors

$Yxy(51.1445, 0.3079, 0.3853)$

Have a look what the booklet for
Yxy(51.1445, 0.3079, 0.3853)
contains.

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Color

Yxy(50.9799, 0.3085, 0.3854)

Conversions

Conversions Part 1

Format	Color
Hex	9DC89F
RGB	157, 200, 159
RGB Percent	62%, 78%, 62%
CMY	0.3846, 0.2156, 0.3765
CMYK	0.22, 0.00, 0.21, 0.22
HSL	123°, 28%, 70%
HSV	123°, 22%, 78%
XYZ	40.8077, 50.9799, 40.4903
YIQ	182.4690, -12.4670, -21.8670

Conversions

Conversions Part 2

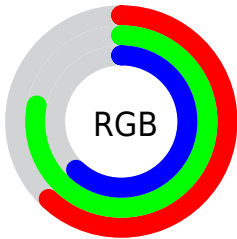
Format	Color
RYB	157, 198, 200
Decimal	10340511
CIELab	76.67, -22.23, 15.95
CIELCh	77, 27.356, 144.340
Yxy	50.9799, 0.3085, 0.3854
Android (android.graphics.Color)	4288530591 (0xFF9DC89F)
YUV	182.4690, -11.5702, -22.3363
Hunter-Lab	71.4002, -22.9313, 16.3574

Details

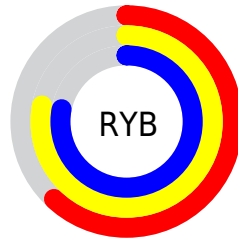
The Yxy color $50.9799, 0.3085, 0.3854$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $40.4497, 0.3170, 0.2784$, and the grayscale version is $47.1125, 0.3127, 0.3290$.

A 20% lighter version of the original color is $90.3721, 0.3094, 0.3726$, and $24.6226, 0.3072, 0.4033$ is the 20% darker color. If you saturate the color by 10%, you get $48.5221, 0.3064, 0.4165$, and if you desaturate by 10%, it is $53.8731, 0.3105, 0.3573$.

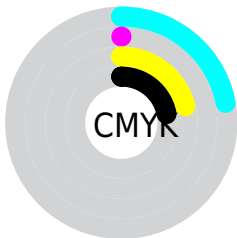
Distribution



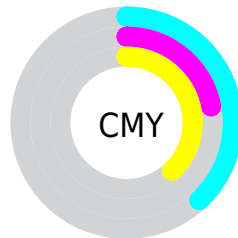
- Red (62%)
- Green (78%)
- Blue (62%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9799, 0.3085, 0.3854 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 50.9799, 0.3085, 0.3854 by changing the saturation by 10% instead.


 50.9799, 0.3085,
0.3854

 50.9799, 0.3085,
0.3854

390.4857, 0.3111,
0.3566

 36.1926, 0.3077,
0.3927


 91.6251, 0.3095,
0.3748

 24.5830, 0.3066,
0.4023


 118.2517, 0.3099,
0.3709

 15.7666, 0.3050,
0.4151


149.5936, 0.3102,
0.3676

 9.3592, 0.3023,
0.4333

186.0352, 0.3104,
0.3648

 4.9762, 0.2978,
0.4611

227.9608, 0.3106,
0.3623

 2.2333, 0.2885,
0.5081

275.7548, 0.3108,

 0.7381, 0.1772,

0.3602

0.8228

329.8016, 0.3110,
0.3583

0.0000, 0.0000,
0.0000

50.9799, 0.3085,
0.3854

50.9799, 0.3085,
0.3854

48.5221, 0.3064,
0.4165

53.8731, 0.3105,
0.3573

46.4727, 0.3043,
0.4500

57.2146, 0.3124,
0.3325

44.8114, 0.3024,
0.4845

61.0246, 0.3142,
0.3109

43.5137, 0.3008,
0.5180

65.3203, 0.3158,
0.2922

42.5525, 0.2997,
0.5482

69.7468, 0.3158,
0.2759

■ 41.8964, 0.2991,
0.5726

■ 69.7970, 0.3152,
0.2752

■ 41.5087, 0.2991,
0.5893

■ 41.3380, 0.2992,
0.5973

Harmonies

Analogous

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



50.9799, 0.3452, 0.3958



50.9799, 0.3085, 0.3854



50.9799, 0.2743, 0.3567

Triad

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



50.9799, 0.3085, 0.3854



50.9799, 0.2533, 0.2720



50.9799, 0.3782, 0.3318

Complementary

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



50.9799, 0.3085, 0.3854



40.4497, 0.3170, 0.2784

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.



50.9799, 0.3507, 0.3027



50.9799, 0.3085, 0.3854



50.9799, 0.2781, 0.2692

Square

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



50.9799, 0.3085, 0.3854



50.9799, 0.2438, 0.2898



50.9799, 0.3135, 0.2804



50.9799, 0.3868, 0.3618

Rectangle

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



50.9799, 0.3085, 0.3854



50.9799, 0.2573, 0.3326



50.9799, 0.3135, 0.2804



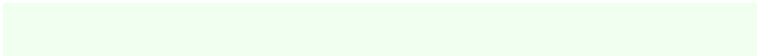
50.9799, 0.3707, 0.3217

Sweetspot

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



50.9821, 0.3085, 0.3854



96.3098, 0.3116, 0.3434



55.8342, 0.3437, 0.3824



20.5321, 0.3115, 0.3450



0.0000, 0.0000, 0.0000



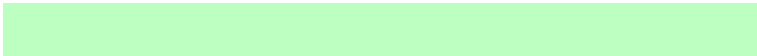
21.4041, 0.3127, 0.3290

Same Dimension

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



50.9821, 0.3085, 0.3854



86.1008, 0.3075, 0.4001



51.7706, 0.2942, 0.3560



11.8960, 0.3110, 0.3517



26.2826, 0.2990, 0.5965



1.2474, 0.2956, 0.5842

Inverse Universe

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



40.4497, 0.3170, 0.2784



64.5433, 0.3181, 0.2669



39.5506, 0.3362, 0.3035



10.8075, 0.3145, 0.3073



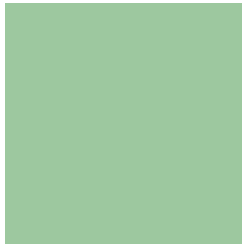
10.1870, 0.3332, 0.1609



0.4851, 0.3304, 0.1594

Previews

White Background



This preview shows how the Yxy color 50.9799, 0.3085, 0.3854 looks on a white background.

Color Contrast Check

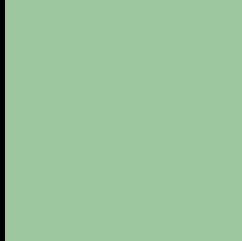
Large Text (above 18pt) WCAG AA × Fail

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 50.9799, 0.3085, 0.3854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

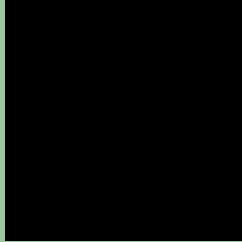
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

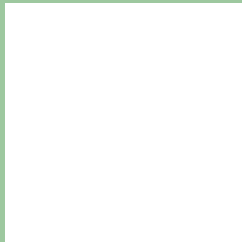
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9799, 0.3085, 0.3854

Background



This preview shows how black text looks on a background with the Yxy color 50.9799, 0.3085, 0.3854.



This preview shows how white text looks on a background with the Yxy color 50.9799, 0.3085, 0.3854.

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

50.9799, 0.3085, 0.3854

Protanopia

50.5457, 0.3510, 0.3731

Deuteranopia

50.6992, 0.3586, 0.3519



Tritanopia

50.8504, 0.2809, 0.3085

Trichromacy



Original Color

50.9799, 0.3085, 0.3854

Protanomaly

50.2562, 0.3345, 0.3774

Deuteranomaly

50.6059, 0.3390, 0.3633

Tritanomaly

51.0280, 0.2909, 0.3355

Monochromacy



Original Color

50.9799, 0.3085, 0.3854

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.3354, 0.3110, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9799, 0.3085, 0.3854 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(157, 200, 159)` looks like.

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

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

Border

The CSS property to change the border of an element to Yxy 50.9799, 0.3085, 0.3854 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(157, 200, 159) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to Yxy 50.9799, 0.3085, 0.3854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(157,  
200, 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](#).

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