

Converting Colors

$Yxy(50.7242, 0.3100, 0.3866)$

Have a look what the booklet for
Yxy(50.7242, 0.3100, 0.3866)
contains.

Yxy(50.5846, 0.3101, 0.3854)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.5846, 0.3101, 0.3854)

Conversions

Conversions Part 1

Format	Color
Hex	9EC79E
RGB	158, 199, 158
RGB Percent	62%, 78%, 62%
CMY	0.3802, 0.2196, 0.3804
CMYK	0.21, 0.00, 0.21, 0.22
HSL	120°, 27%, 70%
HSV	120°, 21%, 78%
XYZ	40.7013, 50.5846, 39.9663
YIQ	182.0670, -11.2750, -21.4430

Conversions

Conversions Part 2

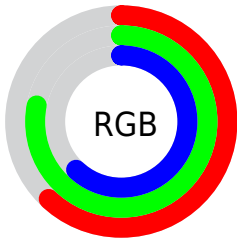
Format	Color
RYB	158, 199, 199
Decimal	10405790
CIELab	76.43, -21.52, 16.16
CIELCh	76, 26.910, 143.100
Yxy	50.5846, 0.3101, 0.3854
Android (android.graphics.Color)	4288595870 (0xFF9EC79E)
YUV	182.0670, -11.8650, -21.1068
Hunter-Lab	71.1229, -22.3152, 16.4690

Details

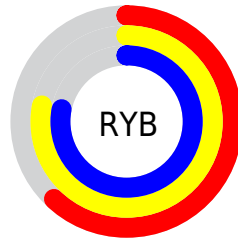
The Yxy color **50.5846, 0.3101, 0.3854** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.7137, 0.3151, 0.2784**, and the grayscale version is **46.8929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4702, 0.3106, 0.3736**, and **24.3765, 0.3083, 0.4014** is the 20% darker color. If you saturate the color by 10%, you get **48.0997, 0.3086, 0.4178**, and if you desaturate by 10%, it is **53.5109, 0.3115, 0.3562**.

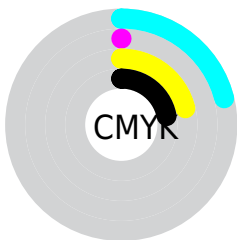
Distribution



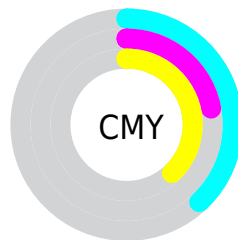
- Red (62%)
- Green (78%)
- Blue (62%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5846, 0.3101, 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 50.5846, 0.3101, 0.3854 by changing the saturation by 10% instead.


 50.5846, 0.3101,
0.3854

 50.5846, 0.3101,
0.3854


388.9477, 0.3119,
0.3566

 35.8781, 0.3095,
0.3928


 91.0404, 0.3109,
0.3748

 24.3401, 0.3086,
0.4023


 117.5586, 0.3111,
0.3709

 15.5861, 0.3073,
0.4152


148.7828, 0.3113,
0.3676

 9.2317, 0.3051,
0.4334

185.0974, 0.3115,
0.3647

 4.8926, 0.3012,
0.4613

226.8868, 0.3116,
0.3623

 2.1844, 0.2929,
0.5089

274.5353, 0.3117,

 0.7115, 0.1750,

0.3602

0.8250

328.4275, 0.3118,
0.3583

0.0000, 0.0000,
0.0000

50.5846, 0.3101,
0.3854

50.5846, 0.3101,
0.3854

48.0997, 0.3086,
0.4178

53.5109, 0.3115,
0.3562

46.0288, 0.3070,
0.4527

56.8917, 0.3126,
0.3304

44.3513, 0.3053,
0.4884

60.7476, 0.3137,
0.3081

43.0424, 0.3037,
0.5229

65.0960, 0.3146,
0.2888

42.0743, 0.3022,
0.5533

69.3249, 0.3153,
0.2742

■ 41.4153, 0.3011,
0.5771

■ 41.0281, 0.3004,
0.5924

■ 40.8461, 0.3000,
0.6000

Harmonies

Analogous

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



50.5846, 0.3462, 0.3948



50.5846, 0.3101, 0.3854



50.5846, 0.2761, 0.3577

Triad

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



50.5846, 0.3101, 0.3854



50.5846, 0.2534, 0.2732



50.5846, 0.3764, 0.3305

Complementary

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



50.5846, 0.3101, 0.3854



40.7137, 0.3151, 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.



50.5846, 0.3487, 0.3020



50.5846, 0.3101, 0.3854



50.5846, 0.2773, 0.2697

Square

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



50.5846, 0.3101, 0.3854



50.5846, 0.2446, 0.2914



50.5846, 0.3120, 0.2803



50.5846, 0.3858, 0.3603

Rectangle

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



50.5846, 0.3101, 0.3854



50.5846, 0.2589, 0.3340



50.5846, 0.3120, 0.2803



50.5846, 0.3689, 0.3206

Sweetspot

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



50.5867, 0.3101, 0.3854



96.2688, 0.3120, 0.3441



55.1413, 0.3436, 0.3790



20.5225, 0.3119, 0.3459



0.0000, 0.0000, 0.0000



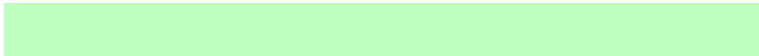
21.4041, 0.3127, 0.3290

Same Dimension

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



50.5867, 0.3101, 0.3854



86.4093, 0.3094, 0.4005



51.3211, 0.2964, 0.3575



11.8884, 0.3116, 0.3529



26.2665, 0.3000, 0.6000



1.2439, 0.3001, 0.5999

Inverse Universe

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



40.7137, 0.3151, 0.2784



65.8392, 0.3156, 0.2666



39.8578, 0.3331, 0.3021



10.8161, 0.3138, 0.3062



10.4427, 0.3207, 0.1540



0.4946, 0.3207, 0.1541

Previews

White Background



This preview shows how the Yxy color 50.5846, 0.3101, 0.3854 looks on a white background.

Color Contrast Check

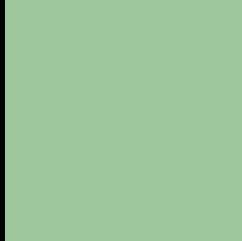
Large Text (above 18pt) WCAG AA × Fail

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 50.5846, 0.3101, 0.3854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

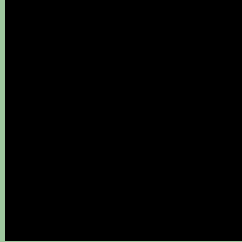
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.5846, 0.3101, 0.3854

Background



This preview shows how black text looks on a background with the Yxy color 50.5846, 0.3101, 0.3854.



This preview shows how white text looks on a background with the Yxy color 50.5846, 0.3101, 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

50.5846, 0.3101, 0.3854

Protanopia

50.4085, 0.3501, 0.3732

Deuteranopia

50.2553, 0.3597, 0.3519



Tritanopia

50.4688, 0.2822, 0.3084

Trichromacy



Original Color

50.5846, 0.3101, 0.3854

Protanomaly

50.2562, 0.3345, 0.3774

Deuteranomaly

50.1418, 0.3400, 0.3634

Tritanomaly

50.6404, 0.2923, 0.3355

Monochromacy



Original Color

50.5846, 0.3101, 0.3854

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.8678, 0.3118, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5846, 0.3101, 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(158, 199, 158)` looks like.

```
.text, #text, p{  
    color:rgb(158, 199, 158)  
}
```

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(158, 199, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 199, 158) }
```

Border

The CSS property to change the border of an element to Yxy 50.5846, 0.3101, 0.3854 is called "border". The border property can be set on classes, ids or directly on the HTML element.

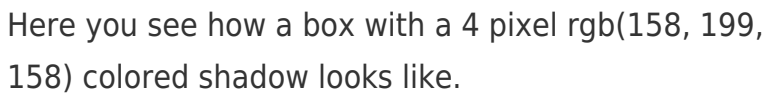
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 199, 158) }
```

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

```
.border{ border-color:rgb(158, 199, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 199, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 199, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 199, 158); box-shadow:4px 4px 4px 4px rgb(158, 199, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5846, 0.3101, 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(158, 199, 158) }
```

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

```
.background{ background-color: rgb(158,  
199, 158) }
```

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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