

Converting Colors

$Yxy(50.7452, 0.3079, 0.3874)$

Have a look what the booklet for
Yxy(50.7452, 0.3079, 0.3874)
contains.

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Color

Yxy(50.7457, 0.3077, 0.3871)

Conversions

Conversions Part 1

Format	Color
Hex	9BC89E
RGB	155, 200, 158
RGB Percent	61%, 78%, 62%
CMY	0.3923, 0.2156, 0.3804
CMYK	0.23, 0.00, 0.21, 0.22
HSL	124°, 29%, 70%
HSV	124°, 23%, 78%
XYZ	40.3370, 50.7457, 40.0093
YIQ	181.7570, -13.3380, -22.6020

Conversions

Conversions Part 2

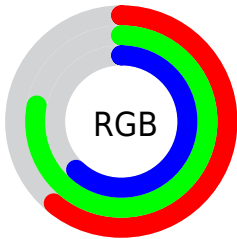
Format	Color
RYB	155, 197, 200
Decimal	10209438
CIELab	76.52, -23.07, 16.27
CIElCh	77, 28.233, 144.799
Yxy	50.7457, 0.3077, 0.3871
Android (android.graphics.Color)	4288399518 (0xFF9BC89E)
YUV	181.7570, -11.7122, -23.4659
Hunter-Lab	71.2360, -23.5884, 16.5653

Details

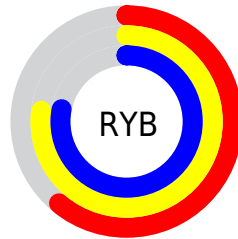
The Yxy color **50.7457, 0.3077, 0.3871** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.7428, 0.3180, 0.2771**, and the grayscale version is **46.7071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0257, 0.3088, 0.3739**, and **24.5029, 0.3052, 0.4037** is the 20% darker color. If you saturate the color by 10%, you get **48.3361, 0.3054, 0.4178**, and if you desaturate by 10%, it is **53.5849, 0.3100, 0.3593**.

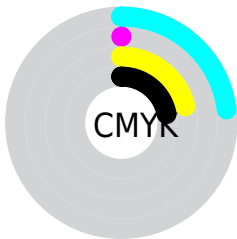
Distribution



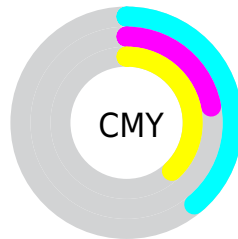
- Red (61%)
- Green (78%)
- Blue (62%)



- Red (61%)
- Yellow (77%)
- Blue (78%)



- Cyan (23%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)




- Cyan (39%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7457, 0.3077, 0.3871 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 50.7457, 0.3077, 0.3871 by changing the saturation by 10% instead.


 50.7457, 0.3077,
0.3871

 50.7457, 0.3077,
0.3871


389.5750, 0.3107,
0.3574

 36.0063, 0.3068,
0.3947


 91.2788, 0.3089,
0.3762

 24.4390, 0.3055,
0.4046

 117.8412, 0.3093,
0.3721

 15.6596, 0.3037,
0.4179


149.1134, 0.3097,
0.3687

 9.2836, 0.3007,
0.4368

185.4798, 0.3100,
0.3658

 4.9266, 0.2956,
0.4656

227.3247, 0.3102,
0.3633

 2.2043, 0.2854,
0.5150

275.0326, 0.3104,

 0.7223, 0.1459,

0.3611

0.8541

328.9879, 0.3106,
0.3591

0.0000, 0.0000,
0.0000

50.7457, 0.3077,
0.3871

50.7457, 0.3077,
0.3871

48.3361, 0.3054,
0.4178

53.5849, 0.3100,
0.3593

46.3292, 0.3032,
0.4508

56.8664, 0.3122,
0.3347

44.7049, 0.3012,
0.4848

60.6102, 0.3142,
0.3132

43.4388, 0.2996,
0.5178

64.8335, 0.3161,
0.2946

42.5038, 0.2986,
0.5476

69.5522, 0.3178,
0.2786

■ 41.8687, 0.2983,
0.5718

■ 69.7947, 0.3152,
0.2752

■ 41.4967, 0.2986,
0.5885

■ 41.3448, 0.2989,
0.5961

Harmonies

Analogous

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



50.7457, 0.3456, 0.3981



50.7457, 0.3077, 0.3871



50.7457, 0.2725, 0.3571

Triad

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



50.7457, 0.3077, 0.3871



50.7457, 0.2517, 0.2700



50.7457, 0.3807, 0.3323

Complementary

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



50.7457, 0.3077, 0.3871



39.7428, 0.3180, 0.2771

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.



50.7457, 0.3525, 0.3023



50.7457, 0.3077, 0.3871



50.7457, 0.2774, 0.2674

Square

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



50.7457, 0.3077, 0.3871



50.7457, 0.2416, 0.2881



50.7457, 0.3141, 0.2791



50.7457, 0.3892, 0.3632

Rectangle

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



50.7457, 0.3077, 0.3871



50.7457, 0.2551, 0.3320



50.7457, 0.3141, 0.2791



50.7457, 0.3731, 0.3219

Sweetspot

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



50.7478, 0.3077, 0.3871



95.7438, 0.3112, 0.3456



55.5517, 0.3438, 0.3851



20.4186, 0.3111, 0.3471



0.0000, 0.0000, 0.0000



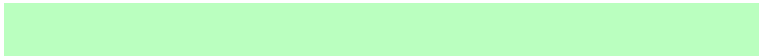
21.4041, 0.3127, 0.3290

Same Dimension

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



50.7478, 0.3077, 0.3871



85.7292, 0.3066, 0.4017



51.5951, 0.2924, 0.3553



11.8992, 0.3107, 0.3512



26.2895, 0.2986, 0.5951



1.2489, 0.2939, 0.5781

Inverse Universe

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



39.7428, 0.3180, 0.2771



63.3672, 0.3193, 0.2657



38.7869, 0.3390, 0.3042



10.8039, 0.3148, 0.3077



10.0830, 0.3383, 0.1637



0.4812, 0.3343, 0.1615

Previews

White Background



This preview shows how the Yxy color 50.7457, 0.3077, 0.3871 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 50.7457, 0.3077, 0.3871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

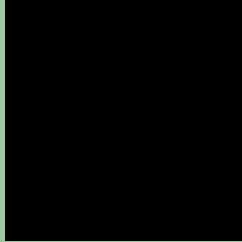
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7457, 0.3077, 0.3871

Background



This preview shows how black text looks on a background with the Yxy color 50.7457, 0.3077, 0.3871.



This preview shows how white text looks on a background with the Yxy color 50.7457, 0.3077, 0.3871.

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

50.7457, 0.3077, 0.3871

Protanopia

50.5128, 0.3518, 0.3743

Deuteranopia

50.2553, 0.3597, 0.3519



Tritanopia

50.6359, 0.2795, 0.3084

Trichromacy



Original Color

50.7457, 0.3077, 0.3871

Protanomaly

50.2227, 0.3352, 0.3788

Deuteranomaly

50.0090, 0.3392, 0.3635

Tritanomaly

50.7746, 0.2902, 0.3369

Monochromacy



Original Color

50.7457, 0.3077, 0.3871

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.1830, 0.3109, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7457, 0.3077, 0.3871 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(155, 200, 158)` looks like.

```
.text, #text, p{  
    color:rgb(155, 200, 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(155, 200, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 200, 158) }
```

Border

The CSS property to change the border of an element to Yxy 50.7457, 0.3077, 0.3871 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(155, 200, 158) }
```

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

```
.border{ border-color:rgb(155, 200, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 200, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 200, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 200, 158);  
box-shadow:4px 4px 4px 4px rgb(155, 200,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7457, 0.3077, 0.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 200, 158) }
```

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

```
.background{ background-color: rgb(155,  
200, 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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