

Converting Colors

Yxy(51.1584, 0.3027, 0.3721)

Have a look what the booklet for
Yxy(51.1584, 0.3027, 0.3721)
contains.

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Color

Yxy(51.3038, 0.3023, 0.3726)

Conversions

Conversions Part 1

Format	Color
Hex	9DC8A8
RGB	157, 200, 168
RGB Percent	62%, 78%, 66%
CMY	0.3844, 0.2157, 0.3411
CMYK	0.22, 0.00, 0.16, 0.22
HSL	135°, 28%, 70%
HSV	135°, 22%, 78%
XYZ	41.6241, 51.3038, 44.7635
YIQ	183.4950, -15.3560, -19.0680

Conversions

Conversions Part 2

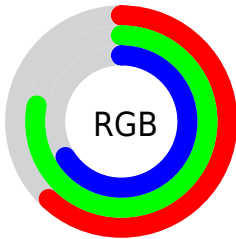
Format	Color
RYB	157, 191, 200
Decimal	10340520
CIELab	76.86, -20.57, 11.39
CIELCh	77, 23.516, 151.019
Yxy	51.3038, 0.3023, 0.3726
Android (android.graphics.Color)	4288530600 (0xFF9DC8A8)
YUV	183.4950, -7.6390, -23.2361
Hunter-Lab	71.6267, -21.6157, 13.0851

Details

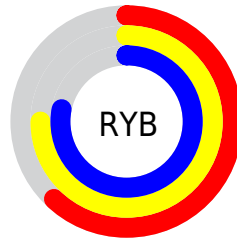
The Yxy color **51.3038, 0.3023, 0.3726** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.0580, 0.3251, 0.2890**, and the grayscale version is **47.6881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8448, 0.3044, 0.3628**, and **24.8220, 0.2991, 0.3856** is the 20% darker color. If you saturate the color by 10%, you get **48.9336, 0.2977, 0.3966**, and if you desaturate by 10%, it is **54.0709, 0.3071, 0.3510**.

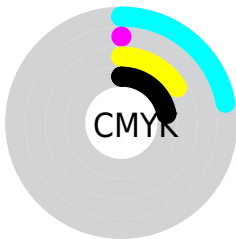
Distribution



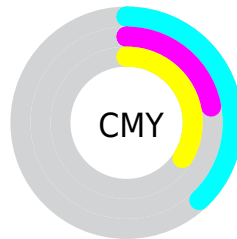
- Red (62%)
- Green (78%)
- Blue (66%)



- Red (62%)
- Yellow (75%)
- Blue (78%)



- Cyan (22%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)




- Cyan (38%)
- Magenta (22%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3038, 0.3023, 0.3726 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 51.3038, 0.3023, 0.3726 by changing the saturation by 10% instead.


 51.3038, 0.3023,
0.3726


 51.3038, 0.3023,
0.3726


391.7430, 0.3077,
0.3505

 36.4504, 0.3009,
0.3782


 92.1037, 0.3043,
0.3645

 24.7823, 0.2990,
0.3855


 118.8190, 0.3051,
0.3615

 15.9149, 0.2964,
0.3952


150.2571, 0.3057,
0.3589

 9.4640, 0.2927,
0.4090

186.8023, 0.3062,
0.3568

 5.0450, 0.2868,
0.4299

228.8392, 0.3067,
0.3549

 2.2737, 0.2762,
0.4654

276.7519, 0.3071,

 0.7597, 0.2177,

0.3532

0.7520

330.9251, 0.3074,
0.3518

0.0000, 0.0000,
0.0000

51.3038, 0.3023,
0.3726

51.3038, 0.3023,
0.3726

48.9336, 0.2977,
0.3966

54.0709, 0.3071,
0.3510

46.9359, 0.2936,
0.4227

57.2455, 0.3120,
0.3317

45.2930, 0.2902,
0.4504

60.8456, 0.3168,
0.3148

43.9837, 0.2879,
0.4788

64.8862, 0.3214,
0.3000

42.9841, 0.2869,
0.5065

69.0048, 0.3243,
0.2870

■ 42.2672, 0.2874,
0.5323

■ 69.7926, 0.3152,
0.2752

■ 41.8011, 0.2894,
0.5546

■ 41.5547, 0.2917,
0.5701

Harmonies

Analogous

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



51.3038, 0.3341, 0.3855



51.3038, 0.3023, 0.3726



51.3038, 0.2743, 0.3460

Triad

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



51.3038, 0.3023, 0.3726



51.3038, 0.2652, 0.2781



51.3038, 0.3719, 0.3377

Complementary

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



51.3038, 0.3023, 0.3726



40.0580, 0.3251, 0.2890

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.



51.3038, 0.3516, 0.3117



51.3038, 0.3023, 0.3726



51.3038, 0.2893, 0.2783

Square

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



51.3038, 0.3023, 0.3726



51.3038, 0.2536, 0.2910



51.3038, 0.3209, 0.2905



51.3038, 0.3753, 0.3630

Rectangle

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



51.3038, 0.3023, 0.3726



51.3038, 0.2612, 0.3255



51.3038, 0.3209, 0.2905



51.3038, 0.3668, 0.3288

Sweetspot

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



51.3060, 0.3023, 0.3726



96.5018, 0.3098, 0.3402



54.5969, 0.3358, 0.3837



20.5773, 0.3094, 0.3415



0.0000, 0.0000, 0.0000



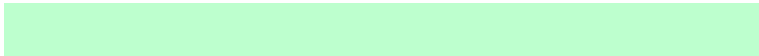
21.4041, 0.3127, 0.3290

Same Dimension

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



51.3060, 0.3023, 0.3726



86.7430, 0.3000, 0.3840



52.1631, 0.2880, 0.3432



11.9318, 0.3082, 0.3466



26.4319, 0.2911, 0.5678



1.2638, 0.2792, 0.5249

Inverse Universe

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



40.0580, 0.3251, 0.2890



63.6982, 0.3285, 0.2797



39.2027, 0.3452, 0.3153



10.7683, 0.3176, 0.3120



9.1957, 0.3978, 0.1965



0.4467, 0.3784, 0.1858

Previews

White Background



This preview shows how the Yxy color 51.3038, 0.3023, 0.3726 looks on a white background.

Color Contrast Check

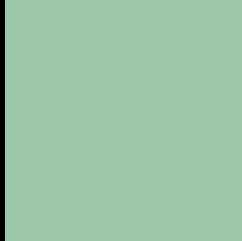
Large Text (above 18pt) WCAG AA × Fail

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 51.3038, 0.3023, 0.3726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

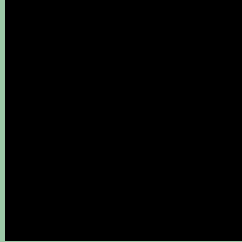
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.3038, 0.3023, 0.3726

Background



This preview shows how black text looks on a background with the Yxy color 51.3038, 0.3023, 0.3726.



This preview shows how white text looks on a background with the Yxy color 51.3038, 0.3023, 0.3726.

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

51.3038, 0.3023, 0.3726

Protanopia

51.1459, 0.3425, 0.3629

Deuteranopia

50.7306, 0.3490, 0.3411



Tritanopia

51.1292, 0.2789, 0.3084

Trichromacy



Original Color

51.3038, 0.3023, 0.3726

Protanomaly

51.0106, 0.3273, 0.3667

Deuteranomaly

50.6729, 0.3301, 0.3519

Tritanomaly

50.9971, 0.2868, 0.3302

Monochromacy



Original Color

51.3038, 0.3023, 0.3726

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.6082, 0.3088, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3038, 0.3023, 0.3726 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(157, 200, 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(157, 200, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 200, 168) }
```

Border

The CSS property to change the border of an element to Yxy 51.3038, 0.3023, 0.3726 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, 168) }
```

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

```
.border{ border-color:rgb(157, 200, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 200, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 200, 168); box-shadow:4px 4px 4px 4px rgb(157, 200, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3038, 0.3023, 0.3726 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, 168) }
```

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

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