

Converting Colors

$Yxy(38.8906, 0.3093, 0.4009)$

Have a look what the booklet for
Yxy(38.8906, 0.3093, 0.4009)
contains.

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Color

Yxy(38.9202, 0.3093, 0.4010)

Conversions

Conversions Part 1

Format	Color
Hex	85B385
RGB	133, 179, 133
RGB Percent	52%, 70%, 52%
CMY	0.4786, 0.2980, 0.4785
CMYK	0.26, 0.00, 0.26, 0.30
HSL	120°, 23%, 61%
HSV	120°, 26%, 70%
XYZ	30.0200, 38.9202, 28.1177
YIQ	160.0020, -12.6500, -24.0580

Conversions

Conversions Part 2

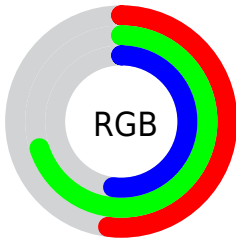
Format	Color
RYB	133, 179, 179
Decimal	8762245
CIELab	68.69, -24.55, 18.66
CIELCh	69, 30.838, 142.759
Yxy	38.9202, 0.3093, 0.4010
Android (android.graphics.Color)	4286952325 (0xFF85B385)
YUV	160.0020, -13.3120, -23.6808
Hunter-Lab	62.3861, -23.2819, 16.9480

Details

The Yxy color **38.9202, 0.3093, 0.4010** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.5998, 0.3157, 0.2662**, and the grayscale version is **35.2176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5266, 0.3107, 0.3867**, and **17.3401, 0.3071, 0.4259** is the 20% darker color. If you saturate the color by 10%, you get **37.1346, 0.3077, 0.4345**, and if you desaturate by 10%, it is **41.0416, 0.3108, 0.3704**.

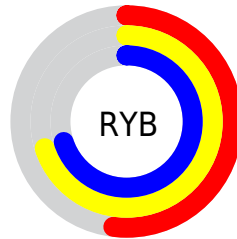
Distribution



Red (52%)

Green (70%)

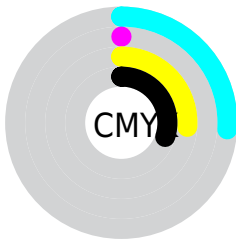
Blue (52%)



Red (52%)

Yellow (70%)

Blue (70%)

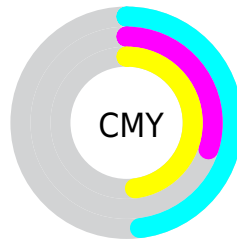


Cyan (26%)

Magenta (0%)

Yellow (26%)

Black (30%)



Cyan (48%)


Magenta (30%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9202, 0.3093, 0.4010 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 38.9202, 0.3093, 0.4010 by changing the saturation by 10% instead.


 38.9202, 0.3093,
0.4010

 38.9202, 0.3093,
0.4010

341.5511, 0.3119,
0.3624


 26.6977, 0.3083,
0.4115


 73.5164, 0.3105,
0.3863

 17.3463, 0.3068,
0.4256


 96.6588, 0.3108,
0.3810

 10.4817, 0.3044,
0.4454

 124.2100, 0.3111,
0.3766

 5.7195, 0.2999,
0.4750

156.5544, 0.3113,
0.3729

 2.6753, 0.2906,
0.5237

194.0762, 0.3115,
0.3697

 0.9647, 0.2464,
0.7536


237.1601, 0.3116,


 0.0000, 0.0000,


0.3669


0.0000

286.1902, 0.3118,
0.3645

 38.9202, 0.3093,
0.4010


 38.9202, 0.3093,
0.4010


 37.1346, 0.3077,
0.4345


 41.0416, 0.3108,
0.3704


 35.6629, 0.3061,
0.4697


 43.5094, 0.3120,
0.3431

 34.4885, 0.3044,
0.5049


 46.3399, 0.3132,
0.3192


 33.5911, 0.3029,
0.5376


 49.5471, 0.3142,
0.2985

 32.9481, 0.3016,
0.5651


 53.1440, 0.3150,
0.2808

 32.5330, 0.3007,
0.5850

 57.1430, 0.3157,
0.2655

 32.3126, 0.3001,
0.5964

 60.7262, 0.3162,
0.2546

 32.2466, 0.3000,
0.5999

Harmonies

Analogous

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



38.9202, 0.3542, 0.4117



38.9202, 0.3093, 0.4010



38.9202, 0.2673, 0.3656

Triad

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



38.9202, 0.3093, 0.4010



38.9202, 0.2393, 0.2599



38.9202, 0.3924, 0.3297

Complementary

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



38.9202, 0.3093, 0.4010



29.5998, 0.3157, 0.2662

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.



38.9202, 0.3571, 0.2951



38.9202, 0.3093, 0.4010



38.9202, 0.2681, 0.2562

Square

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



38.9202, 0.3093, 0.4010



38.9202, 0.2289, 0.2819



38.9202, 0.3108, 0.2690



38.9202, 0.4042, 0.3662

Rectangle

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



38.9202, 0.3093, 0.4010



38.9202, 0.2462, 0.3353



38.9202, 0.3108, 0.2690



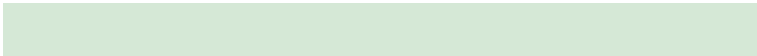
38.9202, 0.3828, 0.3176

Sweetspot

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



38.9218, 0.3093, 0.4010



76.7901, 0.3117, 0.3493



43.5238, 0.3509, 0.3921



16.8624, 0.3116, 0.3533



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.9218, 0.3093, 0.4010



67.7714, 0.3084, 0.4201



39.6282, 0.2921, 0.3641



9.4902, 0.3116, 0.3525



22.7828, 0.3000, 0.5999



0.7169, 0.2999, 0.5996

Inverse Universe

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



29.5998, 0.3157, 0.2662



48.1705, 0.3164, 0.2521



28.7460, 0.3400, 0.2964



8.6466, 0.3138, 0.3066



9.0672, 0.3212, 0.1543



0.2853, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 38.9202, 0.3093, 0.4010 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 38.9202, 0.3093, 0.4010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

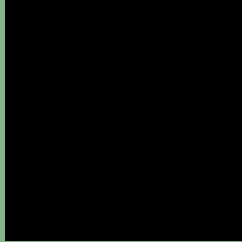
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9202, 0.3093, 0.4010

Background



This preview shows how black text looks on a background with the Yxy color 38.9202, 0.3093, 0.4010.



This preview shows how white text looks on a background with the Yxy color 38.9202, 0.3093, 0.4010.

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

38.9202, 0.3093, 0.4010

Protanopia

38.7534, 0.3601, 0.3851

Deuteranopia

38.7652, 0.3681, 0.3611



Tritanopia

38.8010, 0.2767, 0.3087

Trichromacy



Original Color

38.9202, 0.3093, 0.4010

Protanomaly

38.3922, 0.3403, 0.3908

Deuteranomaly

38.5535, 0.3447, 0.3747

Tritanomaly

38.9389, 0.2885, 0.3409

Monochromacy



Original Color

38.9202, 0.3093, 0.4010

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.3235, 0.3115, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9202, 0.3093, 0.4010 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(133, 179, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 179, 133)  
}
```

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(133, 179, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 179, 133) }
```

Border

The CSS property to change the border of an element to Yxy 38.9202, 0.3093, 0.4010 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(133, 179, 133) }
```

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

```
.border{ border-color:rgb(133, 179, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 179, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 179, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 179, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 179,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9202, 0.3093, 0.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 179, 133) }
```

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

```
.background{ background-color: rgb(133,  
179, 133) }
```

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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