

Converting Colors

$Y_{xy}(38.7181, 0.3076, 0.3970)$

Have a look what the booklet for
Yxy(38.7181, 0.3076, 0.3970)
contains.

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Color

Yxy(38.5766, 0.3079, 0.3963)

Conversions

Conversions Part 1

Format	Color
Hex	85B287
RGB	133, 178, 135
RGB Percent	52%, 70%, 53%
CMY	0.4783, 0.3020, 0.4705
CMYK	0.25, 0.00, 0.24, 0.30
HSL	123°, 23%, 61%
HSV	123°, 25%, 70%
XYZ	29.9716, 38.5766, 28.7937
YIQ	159.6430, -13.0170, -22.9130

Conversions

Conversions Part 2

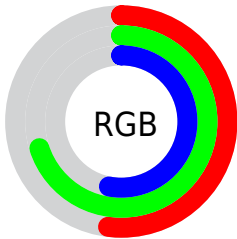
Format	Color
RYB	133, 176, 178
Decimal	8761991
CIELab	68.44, -23.66, 17.22
CIELCh	68, 29.258, 143.950
Yxy	38.5766, 0.3079, 0.3963
Android (android.graphics.Color)	4286952071 (0xFF85B287)
YUV	159.6430, -12.1490, -23.3659
Hunter-Lab	62.1101, -22.5564, 15.9907

Details

The Yxy color **38.5766, 0.3079, 0.3963** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.3849, 0.3176, 0.2698**, and the grayscale version is **35.0468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0413, 0.3095, 0.3832**, and **17.1169, 0.3051, 0.4194** is the 20% darker color. If you saturate the color by 10%, you get **36.8079, 0.3059, 0.4282**, and if you desaturate by 10%, it is **40.6707, 0.3099, 0.3672**.

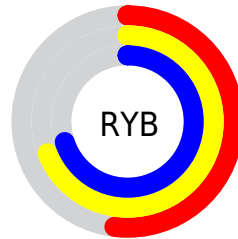
Distribution



Red (52%)

Green (70%)

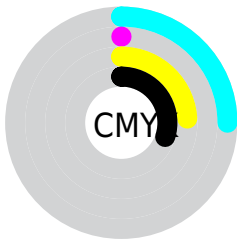
Blue (53%)



Red (52%)

Yellow (69%)

Blue (70%)

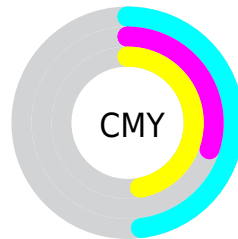


Cyan (25%)

Magenta (0%)

Yellow (24%)

Black (30%)



Cyan (48%)


Magenta (30%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5766, 0.3079, 0.3963 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 38.5766, 0.3079, 0.3963 by changing the saturation by 10% instead.


 38.5766, 0.3079,
0.3963


 38.5766, 0.3079,
0.3963


340.0870, 0.3111,
0.3602

 26.4305, 0.3068,
0.4061


 72.9911, 0.3093,
0.3826

 17.1460, 0.3052,
0.4193


 96.0282, 0.3097,
0.3776

 10.3386, 0.3026,
0.4379


 123.4645, 0.3101,
0.3735

 5.6241, 0.2981,
0.4657

155.6844, 0.3104,
0.3700

 2.6179, 0.2889,
0.5116

193.0721, 0.3106,
0.3670

 0.9357, 0.2495,
0.7505

236.0122, 0.3108,

 0.0000, 0.0000,

0.3645

0.0000

284.8891, 0.3110,
0.3622

■ 38.5766, 0.3079,
0.3963

■ 38.5766, 0.3079,
0.3963

■ 36.8079, 0.3059,
0.4282

■ 40.6707, 0.3099,
0.3672

■ 35.3437, 0.3039,
0.4621

■ 43.1001, 0.3118,
0.3413

■ 34.1683, 0.3021,
0.4963

■ 45.8806, 0.3135,
0.3186

■ 33.2625, 0.3006,
0.5288

■ 49.0252, 0.3151,
0.2990

■ 32.6050, 0.2996,
0.5572

■ 52.5464, 0.3165,
0.2820

■ 32.1711, 0.2992,
0.5790

■ 56.4562, 0.3178,
0.2674

■ 31.9305, 0.2993,
0.5930

■ 60.2628, 0.3169,
0.2544

■ 31.8561, 0.2992,
0.5971

■ 60.3189, 0.3163,
0.2536

Harmonies

Analogous

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



38.5766, 0.3508, 0.4077



38.5766, 0.3079, 0.3963



38.5766, 0.2681, 0.3621

Triad

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



38.5766, 0.3079, 0.3963



38.5766, 0.2434, 0.2627



38.5766, 0.3894, 0.3312

Complementary

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



38.5766, 0.3079, 0.3963



29.3849, 0.3176, 0.2698

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.



38.5766, 0.3566, 0.2979



38.5766, 0.3079, 0.3963



38.5766, 0.2717, 0.2596

Square

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



38.5766, 0.3079, 0.3963



38.5766, 0.2327, 0.2831



38.5766, 0.3128, 0.2724



38.5766, 0.3997, 0.3661

Rectangle

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



38.5766, 0.3079, 0.3963



38.5766, 0.2483, 0.3334



38.5766, 0.3128, 0.2724



38.5766, 0.3806, 0.3196

Sweetspot

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



38.5782, 0.3079, 0.3963



76.8309, 0.3113, 0.3484



42.8215, 0.3488, 0.3912



16.8729, 0.3110, 0.3523



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.



38.5782, 0.3079, 0.3963



68.2033, 0.3068, 0.4128



39.2633, 0.2913, 0.3610



9.4960, 0.3110, 0.3515



22.7972, 0.2990, 0.5965



0.7193, 0.2950, 0.5821

Inverse Universe

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



29.3849, 0.3176, 0.2698



48.8146, 0.3187, 0.2575



28.5834, 0.3410, 0.2992



8.6401, 0.3144, 0.3075



8.8558, 0.3321, 0.1603



0.2806, 0.3287, 0.1584

Previews

White Background



This preview shows how the Yxy color 38.5766, 0.3079, 0.3963 looks on a white background.

Color Contrast Check

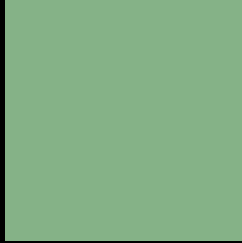
Large Text (above 18pt) WCAG AA × Fail

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 38.5766, 0.3079, 0.3963 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 38.5766, 0.3079, 0.3963

Background



This preview shows how black text looks on a background with the Yxy color 38.5766, 0.3079, 0.3963.



This preview shows how white text looks on a background with the Yxy color 38.5766, 0.3079, 0.3963.

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

38.5766, 0.3079, 0.3963

Protanopia

38.2045, 0.3566, 0.3813

Deuteranopia

38.2122, 0.3644, 0.3574



Tritanopia

38.3794, 0.2773, 0.3087

Trichromacy



Original Color

38.5766, 0.3079, 0.3963

Protanomaly

37.9652, 0.3378, 0.3867

Deuteranomaly

38.1303, 0.3422, 0.3706

Tritanomaly

38.5511, 0.2884, 0.3394

Monochromacy



Original Color

38.5766, 0.3079, 0.3963

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.3558, 0.3107, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5766, 0.3079, 0.3963 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, 178, 135)` looks like.

```
.text, #text, p{  
    color:rgb(133, 178, 135)  
}
```

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, 178, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 178, 135) }
```

Border

The CSS property to change the border of an element to Yxy 38.5766, 0.3079, 0.3963 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, 178, 135) }
```

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

```
.border{ border-color:rgb(133, 178, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 178, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 178, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 178, 135); box-shadow:4px 4px 4px 4px rgb(133, 178, 135) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5766, 0.3079, 0.3963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 178, 135) }
```

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

```
.background{ background-color: rgb(133,  
178, 135) }
```

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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