

Converting Colors

$Y_{xy}(38.2278, 0.3112, 0.3982)$

Have a look what the booklet for
Yxy(38.2278, 0.3112, 0.3982)
contains.

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Color

Yxy(38.2886, 0.3112, 0.3979)

Conversions

Conversions Part 1

Format	Color
Hex	87B185
RGB	135, 177, 133
RGB Percent	53%, 69%, 52%
CMY	0.4706, 0.3059, 0.4785
CMYK	0.24, 0.00, 0.25, 0.31
HSL	117°, 22%, 61%
HSV	117°, 25%, 69%
XYZ	29.9457, 38.2886, 27.9923
YIQ	159.4260, -10.9080, -22.5880

Conversions

Conversions Part 2

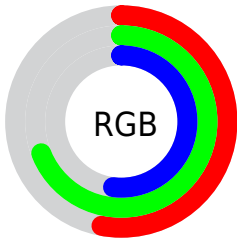
Format	Color
RYB	133, 177, 175
Decimal	8892805
CIELab	68.23, -22.85, 18.06
CIElCh	68, 29.120, 141.676
Yxy	38.2886, 0.3112, 0.3979
Android (android.graphics.Color)	4287082885 (0xFF87B185)
YUV	159.4260, -13.0280, -21.4216
Hunter-Lab	61.8778, -21.9011, 16.4928

Details

The Yxy color **38.2886, 0.3112, 0.3979** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.0541, 0.3134, 0.2679**, and the grayscale version is **34.9406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6418, 0.3121, 0.3844**, and **16.9247, 0.3095, 0.4216** is the 20% darker color. If you saturate the color by 10%, you get **36.5502, 0.3102, 0.4308**, and if you desaturate by 10%, it is **40.3348, 0.3119, 0.3678**.

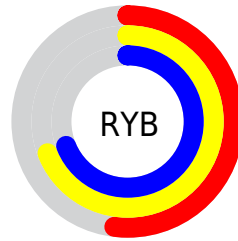
Distribution



Red (53%)

Green (69%)

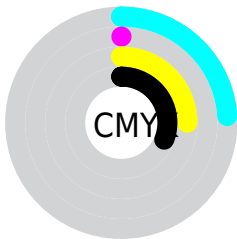
Blue (52%)



Red (52%)

Yellow (69%)

Blue (69%)

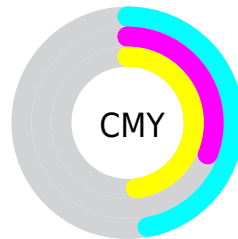


Cyan (24%)

Magenta (0%)

Yellow (25%)

Black (31%)



Cyan (47%)


Magenta (31%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2886, 0.3112, 0.3979 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 38.2886, 0.3112, 0.3979 by changing the saturation by 10% instead.


 38.2886, 0.3112,
0.3979


 38.2886, 0.3112,
0.3979


338.8564, 0.3127,
0.3610


 26.2068, 0.3105,
0.4080


 72.5503, 0.3120,
0.3838

 16.9784, 0.3094,
0.4215


 95.4989, 0.3122,
0.3788

 10.2191, 0.3075,
0.4405


 122.8385, 0.3123,
0.3745

 5.5445, 0.3040,
0.4690

154.9537, 0.3125,
0.3710

 2.5701, 0.2961,
0.5161

192.2286, 0.3126,
0.3679

 0.9117, 0.2529,
0.7471

235.0478, 0.3126,

 0.0000, 0.0000,

0.3653

0.0000

283.7956, 0.3127,
0.3630

■ 38.2886, 0.3112,
0.3979

■ 38.2886, 0.3112,
0.3979

■ 36.5502, 0.3102,
0.4308

■ 40.3348, 0.3119,
0.3678

■ 35.1003, 0.3090,
0.4655

■ 42.6976, 0.3125,
0.3409

■ 33.9245, 0.3076,
0.5004

■ 45.3914, 0.3129,
0.3173

■ 33.0057, 0.3060,
0.5332


■ 48.4282, 0.3132,
0.2968

■ 32.3247, 0.3043,
0.5612


■ 51.8195, 0.3133,
0.2791

 31.8594, 0.3027,
0.5822

 55.5763, 0.3134,
0.2638

 31.5838, 0.3013,
0.5948

 59.5874, 0.3149,
0.2523

 31.4992, 0.3010,
0.5992

 59.9266, 0.3163,
0.2527

Harmonies

Analogous

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



38.2886, 0.3538, 0.4073



38.2886, 0.3112, 0.3979



38.2886, 0.2708, 0.3652

Triad

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



38.2886, 0.3112, 0.3979



38.2886, 0.2420, 0.2637



38.2886, 0.3874, 0.3286

Complementary

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



38.2886, 0.3112, 0.3979



29.0541, 0.3134, 0.2679

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.



38.2886, 0.3534, 0.2957



38.2886, 0.3112, 0.3979



38.2886, 0.2691, 0.2594

Square

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



38.2886, 0.3112, 0.3979



38.2886, 0.2328, 0.2854



38.2886, 0.3094, 0.2711



38.2886, 0.3997, 0.3635

Rectangle

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



38.2886, 0.3112, 0.3979



38.2886, 0.2503, 0.3366



38.2886, 0.3094, 0.2711



38.2886, 0.3781, 0.3171

Sweetspot

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



38.2902, 0.3112, 0.3979



75.4643, 0.3124, 0.3467



41.6244, 0.3503, 0.3872



16.2999, 0.3124, 0.3482



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



38.2902, 0.3112, 0.3979



66.7497, 0.3107, 0.4162



38.7240, 0.2944, 0.3663



9.5081, 0.3123, 0.3525



22.8279, 0.3012, 0.5990



0.7244, 0.3064, 0.5949

Inverse Universe

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



29.0541, 0.3134, 0.2679



47.2752, 0.3135, 0.2539



28.5565, 0.3364, 0.2945



8.6264, 0.3131, 0.3065



8.4073, 0.3096, 0.1479



0.2706, 0.3130, 0.1498

Previews

White Background



This preview shows how the Yxy color 38.2886, 0.3112, 0.3979 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 38.2886, 0.3112, 0.3979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

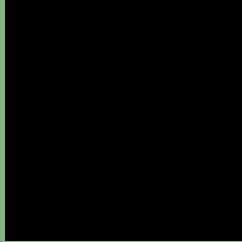
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2886, 0.3112, 0.3979

Background



This preview shows how black text looks on a background with the Yxy color 38.2886, 0.3112, 0.3979.



This preview shows how white text looks on a background with the Yxy color 38.2886, 0.3112, 0.3979.

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

38.2886, 0.3112, 0.3979

Protanopia

38.1781, 0.3575, 0.3827

Deuteranopia

37.8089, 0.3668, 0.3588



Tritanopia

38.1394, 0.2795, 0.3087

Trichromacy



Original Color

38.2886, 0.3112, 0.3979

Protanomaly

38.0425, 0.3397, 0.3880

Deuteranomaly

37.7079, 0.3442, 0.3722

Tritanomaly

38.2665, 0.2915, 0.3409

Monochromacy



Original Color

38.2886, 0.3112, 0.3979

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.9585, 0.3116, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2886, 0.3112, 0.3979 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(135, 177, 133)` looks like.

```
.text, #text, p{  
    color:rgb(135, 177, 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(135, 177, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 177, 133) }
```

Border

The CSS property to change the border of an element to Yxy 38.2886, 0.3112, 0.3979 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(135, 177, 133) }
```

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

```
.border{ border-color:rgb(135, 177, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 177, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 177, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 177, 133);  
box-shadow:4px 4px 4px 4px rgb(135, 177,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2886, 0.3112, 0.3979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 177, 133) }
```

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

```
.background{ background-color: rgb(135,  
177, 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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