

Converting Colors

$Yxy(43.4300, 0.3012, 0.3976)$

Have a look what the booklet for
Yxy(43.4300, 0.3012, 0.3976)
contains.

Yxy(43.3954, 0.3010, 0.3969)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.3954, 0.3010, 0.3969)

Conversions

Conversions Part 1

Format	Color
Hex	85BD90
RGB	133, 189, 144
RGB Percent	52%, 74%, 56%
CMY	0.4783, 0.2588, 0.4353
CMYK	0.30, 0.00, 0.24, 0.26
HSL	132°, 30%, 63%
HSV	132°, 30%, 74%
XYZ	32.9101, 43.3954, 33.0304
YIQ	167.1260, -18.9310, -25.8670

Conversions

Conversions Part 2

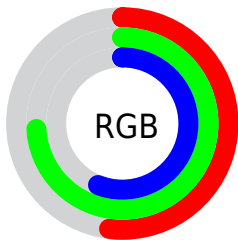
Format	Color
RYB	133, 180, 189
Decimal	8764816
CIELab	71.82, -27.44, 17.03
CIELCh	72, 32.300, 148.172
Yxy	43.3954, 0.3010, 0.3969
Android (android.graphics.Color)	4286954896 (0xFF85BD90)
YUV	167.1260, -11.4011, -29.9285
Hunter-Lab	65.8752, -26.1061, 16.3841

Details

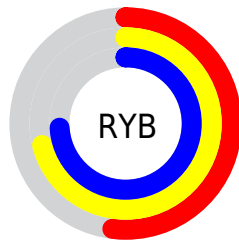
The Yxy color **43.3954, 0.3010, 0.3969** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.8210, 0.3272, 0.2695**, and the grayscale version is **38.7771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5535, 0.3033, 0.3839**, and **19.8676, 0.2964, 0.4196** is the 20% darker color. If you saturate the color by 10%, you get **41.5603, 0.2974, 0.4247**, and if you desaturate by 10%, it is **45.5735, 0.3049, 0.3714**.

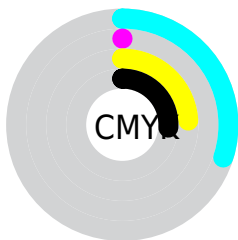
Distribution



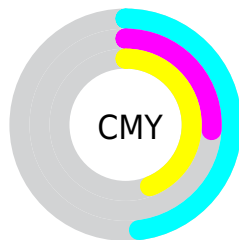
- Red (52%)
- Green (74%)
- Blue (56%)



- Red (52%)
- Yellow (71%)
- Blue (74%)



- Cyan (30%)
- Magenta (0%)
- Yellow (24%)
- Black (26%)





- Cyan (48%)
- Magenta (26%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.3954, 0.3010, 0.3969 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 43.3954, 0.3010, 0.3969 by changing the saturation by 10% instead.


 43.3954, 0.3010,
0.3969


 43.3954, 0.3010,
0.3969


360.2353, 0.3077,
0.3611


 30.1955, 0.2990,
0.4065

 80.3072, 0.3036,
0.3834

 19.9870, 0.2964,
0.4191


 104.7879, 0.3045,
0.3785

 12.3856, 0.2924,
0.4366

 133.7975, 0.3053,
0.3744

 7.0069, 0.2863,
0.4623

167.7207, 0.3059,
0.3709

 3.4664, 0.2753,
0.5036

206.9416, 0.3065,
0.3680

 1.3798, 0.2624,
0.6306

251.8448, 0.3069,

 0.2018, 0.0000,

0.3654

1.0000

302.8145, 0.3073,
0.3631

0.0000, 0.0000,
0.0000

43.3954, 0.3010,
0.3969

43.3954, 0.3010,
0.3969

41.5603, 0.2974,
0.4247

45.5735, 0.3049,
0.3714

40.0454, 0.2944,
0.4542

48.1052, 0.3089,
0.3485

38.8337, 0.2922,
0.4843


51.0073, 0.3129,
0.3282

37.9042, 0.2911,
0.5136


54.2941, 0.3167,
0.3105

37.2334, 0.2912,
0.5404


57.9790, 0.3204,
0.2950

 36.7937, 0.2925,
0.5630

 62.0747, 0.3238,
0.2816

 36.5356, 0.2946,
0.5803

 64.5791, 0.3191,
0.2685

 36.5270, 0.2947,
0.5809

 64.8731, 0.3157,
0.2644

Harmonies

Analogous

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



43.3954, 0.3467, 0.4127



43.3954, 0.3010, 0.3969



43.3954, 0.2603, 0.3579

Triad

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



43.3954, 0.3010, 0.3969



43.3954, 0.2425, 0.2573



43.3954, 0.3974, 0.3363

Complementary

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



43.3954, 0.3010, 0.3969



30.8210, 0.3272, 0.2695

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.



43.3954, 0.3653, 0.3006



43.3954, 0.3010, 0.3969



43.3954, 0.2747, 0.2567

Square

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



43.3954, 0.3010, 0.3969



43.3954, 0.2285, 0.2761



43.3954, 0.3193, 0.2724



43.3954, 0.4044, 0.3728

Rectangle

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



43.3954, 0.3010, 0.3969



43.3954, 0.2411, 0.3270



43.3954, 0.3193, 0.2724



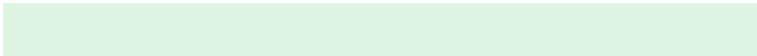
43.3954, 0.3891, 0.3240

Sweetspot

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



43.3972, 0.3010, 0.3969



86.3858, 0.3091, 0.3475



47.6403, 0.3476, 0.4043



18.4251, 0.3085, 0.3507



95.5105, 0.3127, 0.3290



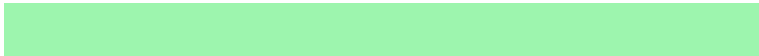
19.5994, 0.3127, 0.3290

Same Dimension

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



43.3972, 0.3010, 0.3969



75.3728, 0.2985, 0.4161



44.3342, 0.2821, 0.3548



10.6794, 0.3090, 0.3480



24.5867, 0.2942, 0.5791



0.9724, 0.2819, 0.5349

Inverse Universe

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



30.8210, 0.3272, 0.2695



48.9549, 0.3315, 0.2555



29.8321, 0.3571, 0.3048



9.6634, 0.3167, 0.3107



8.8146, 0.3769, 0.1850



0.3536, 0.3612, 0.1763

Previews

White Background



This preview shows how the Yxy color 43.3954, 0.3010, 0.3969 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 43.3954, 0.3010, 0.3969 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 43.3954, 0.3010, 0.3969

Background



This preview shows how black text looks on a background with the Yxy color 43.3954, 0.3010, 0.3969.



This preview shows how white text looks on a background with the Yxy color 43.3954, 0.3010, 0.3969.

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

43.3954, 0.3010, 0.3969

Protanopia

43.0309, 0.3563, 0.3801

Deuteranopia

43.0706, 0.3628, 0.3560



Tritanopia

43.3268, 0.2712, 0.3081

Trichromacy



Original Color

43.3954, 0.3010, 0.3969

Protanomaly

42.7515, 0.3337, 0.3856

Deuteranomaly

42.5044, 0.3379, 0.3690

Tritanomaly

43.4012, 0.2814, 0.3390

Monochromacy



Original Color

43.3954, 0.3010, 0.3969

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.1317, 0.3081, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.3954, 0.3010, 0.3969 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, 189, 144)` looks like.

```
.text, #text, p{  
    color:rgb(133, 189, 144)  
}
```

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, 189, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 189, 144) }
```

Border

The CSS property to change the border of an element to Yxy 43.3954, 0.3010, 0.3969 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, 189, 144) }
```

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

```
.border{ border-color:rgb(133, 189, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 189, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 189, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 189, 144);  
box-shadow:4px 4px 4px 4px rgb(133, 189,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 43.3954, 0.3010, 0.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 189, 144) }
```

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

```
.background{ background-color: rgb(133,  
189, 144) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor