

Converting Colors

$Yxy(43.6590, 0.2998, 0.3955)$

Have a look what the booklet for
Yxy(43.6590, 0.2998, 0.3955)
contains.

Yxy(43.8578, 0.3003, 0.3967)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(43.8578, 0.3003, 0.3967)

Conversions

Conversions Part 1

Format	Color
Hex	85BE91
RGB	133, 190, 145
RGB Percent	52%, 75%, 57%
CMY	0.4783, 0.2549, 0.4314
CMYK	0.30, 0.00, 0.24, 0.25
HSL	133°, 30%, 63%
HSV	133°, 30%, 75%
XYZ	33.2001, 43.8578, 33.4986
YIQ	167.8270, -19.5270, -26.0790

Conversions

Conversions Part 2

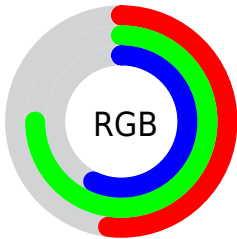
Format	Color
RYB	133, 180, 190
Decimal	8765073
CIELab	72.13, -27.75, 16.94
CIElCh	72, 32.515, 148.605
Yxy	43.8578, 0.3003, 0.3967
Android (android.graphics.Color)	4286955153 (0xFF85BE91)
YUV	167.8270, -11.2537, -30.5433
Hunter-Lab	66.2252, -26.4082, 16.3670

Details

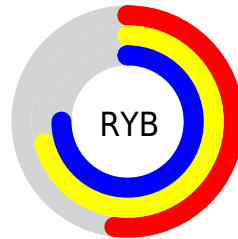
The Yxy color **43.8578, 0.3003, 0.3967** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.9472, 0.3283, 0.2697**, and the grayscale version is **39.1356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2098, 0.3027, 0.3838**, and **20.1658, 0.2955, 0.4191** is the 20% darker color. If you saturate the color by 10%, you get **42.0171, 0.2966, 0.4241**, and if you desaturate by 10%, it is **46.0431, 0.3044, 0.3716**.

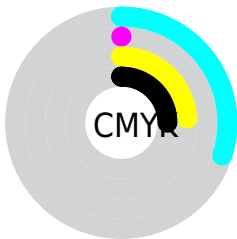
Distribution



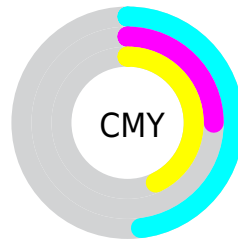
- Red (52%)
- Green (75%)
- Blue (57%)



- Red (52%)
- Yellow (71%)
- Blue (75%)



- Cyan (30%)
- Magenta (0%)
- Yellow (24%)
- Black (25%)




- Cyan (48%)
- Magenta (25%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.8578, 0.3003, 0.3967 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 43.8578, 0.3003, 0.3967 by changing the saturation by 10% instead.


 43.8578, 0.3003,
0.3967

 43.8578, 0.3003,
0.3967

362.1277, 0.3073,
0.3611


 30.5587, 0.2983,
0.4062

 81.0037, 0.3030,
0.3833

 20.2631, 0.2955,
0.4187


 105.6194, 0.3040,
0.3784

 12.5864, 0.2914,
0.4361


 134.7760, 0.3048,
0.3743

 7.1444, 0.2851,
0.4615

168.8580, 0.3055,
0.3709

 3.5526, 0.2741,
0.5022

208.2498, 0.3060,
0.3679

 1.4266, 0.2600,
0.6191

253.3357, 0.3065,

 0.2362, 0.0000,

0.3653

1.0000

304.5002, 0.3069,
0.3631

0.0000, 0.0000,
0.0000

43.8578, 0.3003,
0.3967

43.8578, 0.3003,
0.3967

42.0171, 0.2966,
0.4241

46.0431, 0.3044,
0.3716

40.4981, 0.2935,
0.4531

48.5837, 0.3085,
0.3490

39.2835, 0.2912,
0.4829

51.4966, 0.3127,
0.3290

38.3522, 0.2901,
0.5118

54.7961, 0.3168,
0.3114

37.6804, 0.2903,
0.5384

58.4956, 0.3207,
0.2961

■ 37.2402, 0.2918,
0.5610

■ 62.6082, 0.3243,
0.2829

■ 36.9792, 0.2940,
0.5785

■ 64.9932, 0.3193,
0.2698

■ 36.9788, 0.2940,
0.5785

■ 65.3064, 0.3157,
0.2653

Harmonies

Analogous

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



43.8578, 0.3462, 0.4130



43.8578, 0.3003, 0.3967



43.8578, 0.2597, 0.3573

Triad

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



43.8578, 0.3003, 0.3967



43.8578, 0.2427, 0.2569



43.8578, 0.3979, 0.3369

Complementary

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



43.8578, 0.3003, 0.3967



30.9472, 0.3283, 0.2697

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.



43.8578, 0.3660, 0.3010



43.8578, 0.3003, 0.3967



43.8578, 0.2751, 0.2566

Square

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



43.8578, 0.3003, 0.3967



43.8578, 0.2284, 0.2755



43.8578, 0.3200, 0.2725



43.8578, 0.4046, 0.3734

Rectangle

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



43.8578, 0.3003, 0.3967



43.8578, 0.2406, 0.3263



43.8578, 0.3200, 0.2725



43.8578, 0.3897, 0.3245

Sweetspot

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



43.8596, 0.3003, 0.3967



88.4573, 0.3089, 0.3472



48.0575, 0.3472, 0.4055



19.2644, 0.3083, 0.3503



97.7402, 0.3127, 0.3290



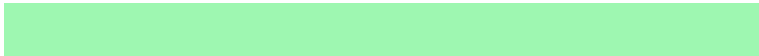
20.4902, 0.3127, 0.3290

Same Dimension

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



43.8596, 0.3003, 0.3967



77.2098, 0.2978, 0.4146



44.8292, 0.2811, 0.3538



10.6815, 0.3088, 0.3476



24.5987, 0.2935, 0.5766



0.9733, 0.2808, 0.5309

Inverse Universe

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



30.9472, 0.3283, 0.2697



50.0336, 0.3326, 0.2566



29.9371, 0.3589, 0.3058



9.6610, 0.3169, 0.3111



8.7578, 0.3815, 0.1875



0.3518, 0.3644, 0.1781

Previews

White Background



This preview shows how the Yxy color 43.8578, 0.3003, 0.3967 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 43.8578, 0.3003, 0.3967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

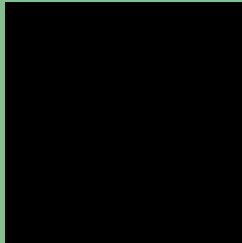
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.8578, 0.3003, 0.3967

Background



This preview shows how black text looks on a background with the Yxy color 43.8578, 0.3003, 0.3967.



This preview shows how white text looks on a background with the Yxy color 43.8578, 0.3003, 0.3967.

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

43.8578, 0.3003, 0.3967

Protanopia

43.5770, 0.3561, 0.3798

Deuteranopia

43.2424, 0.3628, 0.3546



Tritanopia

43.7838, 0.2706, 0.3081

Trichromacy



Original Color

43.8578, 0.3003, 0.3967

Protanomaly

43.2957, 0.3336, 0.3853

Deuteranomaly

43.0474, 0.3378, 0.3688

Tritanomaly

43.8615, 0.2809, 0.3390

Monochromacy



Original Color

43.8578, 0.3003, 0.3967

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.5573, 0.3073, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8578, 0.3003, 0.3967 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, 190, 145)` looks like.

```
.text, #text, p{  
    color:rgb(133, 190, 145)  
}
```

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, 190, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 190, 145) }
```

Border

The CSS property to change the border of an element to Yxy 43.8578, 0.3003, 0.3967 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, 190, 145) }
```

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

```
.border{ border-color:rgb(133, 190, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 190, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 190, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 190, 145);  
box-shadow:4px 4px 4px 4px rgb(133, 190,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8578, 0.3003, 0.3967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 190, 145) }
```

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

```
.background{ background-color: rgb(133,  
190, 145) }
```

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