

# Converting Colors

$Yxy(43.9213, 0.3157, 0.4117)$

Have a look what the booklet for  
Yxy(43.9213, 0.3157, 0.4117)  
contains.

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# Color

**Yxy(43.8672, 0.3152, 0.4109)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EBD86
RGB	142, 189, 134
RGB Percent	56%, 74%, 53%
CMY	0.4433, 0.2588, 0.4746
CMYK	0.25, 0.00, 0.29, 0.26
HSL	111°, 29%, 63%
HSV	111°, 29%, 74%
XYZ	33.6504, 43.8672, 29.2412
YIQ	168.6770, -10.3570, -27.0690

# Conversions

## Conversions Part 2

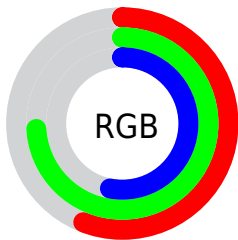
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 189, 181
Decimal	9354630
CIELab	72.14, -26.20, 22.93
CIELCh	72, 34.814, 138.805
Yxy	43.8672, 0.3152, 0.4109
Android (android.graphics.Color)	4287544710 (0xFF8EBD86)
YUV	168.6770, -17.0958, -23.3957
Hunter-Lab	66.2323, -25.2168, 20.1864

# Details

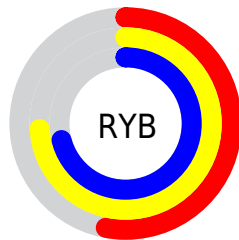
The Yxy color **43.8672, 0.3152, 0.4109** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.5479, 0.3079, 0.2558**, and the grayscale version is **39.5950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7630, 0.3160, 0.3947**, and **20.1417, 0.3139, 0.4366** is the 20% darker color. If you saturate the color by 10%, you get **42.0611, 0.3154, 0.4440**, and if you desaturate by 10%, it is **45.9785, 0.3146, 0.3800**.

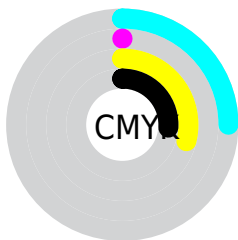
# Distribution



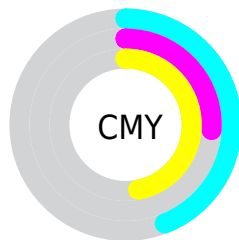
- Red (56%)
- Green (74%)
- Blue (53%)



- Red (53%)
- Yellow (74%)
- Blue (71%)



- Cyan (25%)
- Magenta (0%)
- Yellow (29%)
- Black (26%)



- Cyan (44%)
- Magenta (26%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8672, 0.3152, 0.4109 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 43.8672, 0.3152, 0.4109 by changing the saturation by 10% instead.





 43.8672, 0.3152,  
0.4109

 43.8672, 0.3152,  
0.4109


362.1661, 0.3150,  
0.3678


 30.5661, 0.3149,  
0.4224


 81.0179, 0.3154,  
0.3947

 20.2687, 0.3142,  
0.4375


 105.6363, 0.3154,  
0.3888

 12.5905, 0.3128,  
0.4583


 134.7959, 0.3153,  
0.3838

 7.1472, 0.3098,  
0.4886

168.8811, 0.3153,  
0.3796

 3.5543, 0.3027,  
0.5361

208.2763, 0.3152,  
0.3760

 1.4275, 0.3088,  
0.6912

253.3660, 0.3151,

 0.2369, 0.0000,

0.3729

1.0000

304.5344, 0.3150,  
0.3702

0.0000, 0.0000,  
0.0000

43.8672, 0.3152,  
0.4109

43.8672, 0.3152,  
0.4109

42.0611, 0.3154,  
0.4440

45.9785, 0.3146,  
0.3800

40.5408, 0.3150,  
0.4782

48.4024, 0.3137,  
0.3519

39.2930, 0.3140,  
0.5117

51.1530, 0.3126,  
0.3269

38.3013, 0.3123,  
0.5422


54.2418, 0.3114,  
0.3049

37.5477, 0.3099,  
0.5673


57.6799, 0.3102,  
0.2857

 37.0112, 0.3070,  
0.5853

 61.4778, 0.3090,  
0.2690

 36.6633, 0.3042,  
0.5960

 64.8806, 0.3157,  
0.2644

 36.6393, 0.3040,  
0.5968

# Harmonies

## Analogous

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



43.8672, 0.3632, 0.4181



43.8672, 0.3152, 0.4109



43.8672, 0.2687, 0.3750

# Triad

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



43.8672, 0.3152, 0.4109



43.8672, 0.2309, 0.2564



43.8672, 0.3954, 0.3242

# Complementary

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



43.8672, 0.3152, 0.4109



30.5479, 0.3079, 0.2558

# 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.



43.8672, 0.3545, 0.2881



43.8672, 0.3152, 0.4109



43.8672, 0.2594, 0.2501

# Square

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



43.8672, 0.3152, 0.4109



43.8672, 0.2226, 0.2822



43.8672, 0.3039, 0.2617



43.8672, 0.4120, 0.3636



# Rectangle

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



43.8672, 0.3152, 0.4109



43.8672, 0.2446, 0.3422



43.8672, 0.3039, 0.2617



43.8672, 0.3839, 0.3114

# Sweetspot

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



43.8691, 0.3152, 0.4109



86.6619, 0.3137, 0.3520



45.4907, 0.3589, 0.3909



18.4925, 0.3138, 0.3559



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

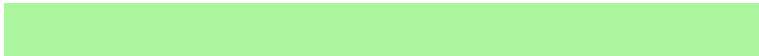


# Same Dimension

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



43.8691, 0.3152, 0.4109



76.4107, 0.3154, 0.4321



43.7756, 0.2952, 0.3824



10.7142, 0.3137, 0.3526



24.6692, 0.3045, 0.5964



0.9878, 0.3175, 0.5861



# Inverse Universe

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



30.5479, 0.3079, 0.2558



48.6363, 0.3064, 0.2393



30.7590, 0.3358, 0.2811



9.6243, 0.3115, 0.3062



7.6371, 0.2849, 0.1343



0.3186, 0.2941, 0.1394



# Previews

## White Background



This preview shows how the Yxy color 43.8672, 0.3152, 0.4109 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 43.8672, 0.3152, 0.4109 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

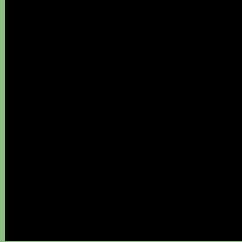
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.8672, 0.3152, 0.4109**

## Background



This preview shows how black text looks on a background with the Yxy color 43.8672, 0.3152, 0.4109.



This preview shows how white text looks on a background with the Yxy color 43.8672, 0.3152, 0.4109.

# 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

43.8672, 0.3152, 0.4109

### Protanopia

43.4280, 0.3656, 0.3930

### Deuteranopia

43.3327, 0.3760, 0.3684



## Tritanopia

43.7087, 0.2783, 0.3084

# Trichromacy



**Original Color**

43.8672, 0.3152, 0.4109

**Protanomaly**

43.4301, 0.3462, 0.4002

**Deuteranomaly**

42.9241, 0.3522, 0.3820

**Tritanomaly**

43.5940, 0.2917, 0.3446

# Monochromacy



**Original Color**

43.8672, 0.3152, 0.4109

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

40.8219, 0.3140, 0.3578

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.8672, 0.3152, 0.4109 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(142, 189, 134)` looks like.

```
.text, #text, p{  
    color:rgb(142, 189, 134)  
}
```

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(142, 189, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 189, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 43.8672, 0.3152, 0.4109 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(142, 189, 134) }
```

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

```
.border{ border-color:rgb(142, 189, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 189, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 189, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 189, 134);  
box-shadow:4px 4px 4px 4px rgb(142, 189,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.8672, 0.3152, 0.4109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 189, 134) }
```

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

```
.background{ background-color: rgb(142,  
189, 134) }
```

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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