

# Converting Colors

$Yxy(44.7969, 0.3246, 0.4327)$

Have a look what the booklet for  
Yxy(44.7969, 0.3246, 0.4327)  
contains.

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# Color

**Yxy(44.9441, 0.3241, 0.4324)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FC07A
RGB	143, 192, 122
RGB Percent	56%, 75%, 48%
CMY	0.4393, 0.2470, 0.5216
CMYK	0.26, 0.00, 0.36, 0.25
HSL	102°, 36%, 62%
HSV	102°, 36%, 75%
XYZ	33.6873, 44.9441, 25.3096
YIQ	169.3690, -6.7340, -32.1580

# Conversions

## Conversions Part 2

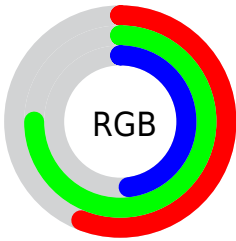
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 192, 171
Decimal	9420922
CIELab	72.86, -29.15, 30.23
CIElCh	73, 41.994, 133.963
Yxy	44.9441, 0.3241, 0.4324
Android (android.graphics.Color)	4287611002 (0xFF8FC07A)
YUV	169.3690, -23.3529, -23.1256
Hunter-Lab	67.0404, -27.6257, 24.5446

# Details

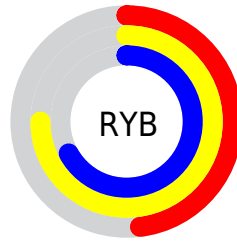
The Yxy color **44.9441, 0.3241, 0.4324** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **26.3845, 0.2948, 0.2338**, and the grayscale version is **39.9878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8523, 0.3231, 0.4124**, and **20.8690, 0.3250, 0.4655** is the 20% darker color. If you saturate the color by 10%, you get **43.3874, 0.3259, 0.4647**, and if you desaturate by 10%, it is **46.7426, 0.3215, 0.4011**.

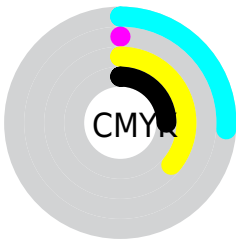
# Distribution



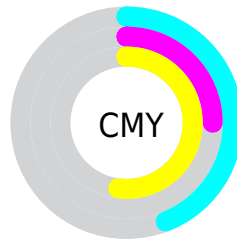
- Red (56%)
- Green (75%)
- Blue (48%)



- Red (48%)
- Yellow (75%)
- Blue (67%)



- Cyan (26%)
- Magenta (0%)
- Yellow (36%)
- Black (25%)



- Cyan (44%)
- Magenta (25%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9441, 0.3241, 0.4324 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 44.9441, 0.3241, 0.4324 by changing the saturation by 10% instead.





 44.9441, 0.3241,  
0.4324

 44.9441, 0.3241,  
0.4324


366.5471, 0.3200,  
0.3780


 31.4134, 0.3245,  
0.4467


 82.6365, 0.3231,  
0.4120

 20.9138, 0.3245,  
0.4656


 107.5670, 0.3225,  
0.4046

 13.0610, 0.3237,  
0.4912


 137.0663, 0.3220,  
0.3983

 7.4706, 0.3208,  
0.5277

171.5186, 0.3216,  
0.3930

 3.7581, 0.3139,  
0.5861

211.3085, 0.3211,  
0.3884

 1.5392, 0.2940,  
0.7060

256.8203, 0.3207,

 0.3161, 0.0000,

0.3845

1.0000

308.4383, 0.3204,  
0.3810

0.0000, 0.0000,  
0.0000

44.9441, 0.3241,  
0.4324

44.9441, 0.3241,  
0.4324

43.3874, 0.3259,  
0.4647

46.7426, 0.3215,  
0.4011

42.0560, 0.3266,  
0.4967

48.7869, 0.3184,  
0.3718

40.9403, 0.3259,  
0.5265


51.0883, 0.3150,  
0.3449

40.0277, 0.3238,  
0.5522


53.6557, 0.3115,  
0.3208


39.3040, 0.3202,  
0.5721

56.4974, 0.3079,  
0.2992


 38.7521, 0.3155,  
0.5852

 59.6214, 0.3045,  
0.2802

 38.5893, 0.3139,  
0.5889

 62.9449, 0.3022,  
0.2647

 65.3482, 0.3123,  
0.2667

 66.1831, 0.3156,  
0.2673

# Harmonies

## Analogous

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



44.9441, 0.3801, 0.4334



44.9441, 0.3241, 0.4324



44.9441, 0.2679, 0.3937

# Triad

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



44.9441, 0.3241, 0.4324



44.9441, 0.2133, 0.2461



44.9441, 0.4056, 0.3151

# Complementary

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



44.9441, 0.3241, 0.4324



26.3845, 0.2948, 0.2338

# 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.



44.9441, 0.3528, 0.2748



44.9441, 0.3241, 0.4324



44.9441, 0.2426, 0.2360

# Square

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



44.9441, 0.3241, 0.4324



44.9441, 0.2075, 0.2794



44.9441, 0.2922, 0.2467



44.9441, 0.4307, 0.3608



# Rectangle

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



44.9441, 0.3241, 0.4324



44.9441, 0.2378, 0.3542



44.9441, 0.2922, 0.2467



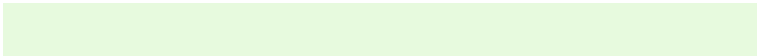
44.9441, 0.3902, 0.3007

# Sweetspot

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



44.9460, 0.3241, 0.4324



90.5359, 0.3166, 0.3573



41.7402, 0.3759, 0.3941



19.3014, 0.3171, 0.3609



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.



44.9460, 0.3241, 0.4324



79.0739, 0.3256, 0.4590



43.6178, 0.2983, 0.4154



11.4019, 0.3160, 0.3525



25.9997, 0.3147, 0.5883



1.1602, 0.3327, 0.5740



# Inverse Universe

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



26.3845, 0.2948, 0.2338



40.3785, 0.2893, 0.2116



28.3400, 0.3318, 0.2559



10.0911, 0.3091, 0.3060



6.0384, 0.2471, 0.1135



0.2953, 0.2641, 0.1229



# Previews

## White Background



This preview shows how the Yxy color 44.9441, 0.3241, 0.4324 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 44.9441, 0.3241, 0.4324 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

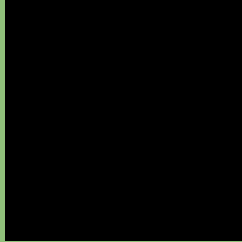
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.9441, 0.3241, 0.4324**

## Background



This preview shows how black text looks on a background with the Yxy color 44.9441, 0.3241, 0.4324.



This preview shows how white text looks on a background with the Yxy color 44.9441, 0.3241, 0.4324.

# 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

44.9441, 0.3241, 0.4324

### Protanopia

44.5711, 0.3796, 0.4095

### Deuteranopia

44.6552, 0.3910, 0.3833



## Tritanopia

44.8668, 0.2800, 0.3100

# Trichromacy



**Original Color**

44.9441, 0.3241, 0.4324

**Protanomaly**

44.2889, 0.3578, 0.4184

**Deuteranomaly**

44.2857, 0.3651, 0.4010

**Tritanomaly**

44.5994, 0.2963, 0.3516

# Monochromacy



**Original Color**

44.9441, 0.3241, 0.4324

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

41.1849, 0.3180, 0.3650

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9441, 0.3241, 0.4324 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(143, 192, 122)` looks like.

```
.text, #text, p{  
    color:rgb(143, 192, 122)  
}
```

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(143, 192, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 192, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9441, 0.3241, 0.4324 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(143, 192, 122) }
```

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

```
.border{ border-color:rgb(143, 192, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 192, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 192, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 192, 122);  
box-shadow:4px 4px 4px 4px rgb(143, 192,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9441, 0.3241, 0.4324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 192, 122) }
```

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

```
.background{ background-color: rgb(143,  
192, 122) }
```

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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