

# Converting Colors

$Y_{xy}(44.8229, 0.3225, 0.4232)$

Have a look what the booklet for  
Yxy(44.8229, 0.3225, 0.4232)  
contains.

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# Color

**Yxy(44.8137, 0.3224, 0.4232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91BF7F
RGB	145, 191, 127
RGB Percent	57%, 75%, 50%
CMY	0.4314, 0.2510, 0.5018
CMYK	0.24, 0.00, 0.33, 0.25
HSL	103°, 33%, 62%
HSV	103°, 33%, 75%
XYZ	34.1397, 44.8137, 26.9390
YIQ	169.9500, -6.8720, -29.6560

# Conversions

## Conversions Part 2

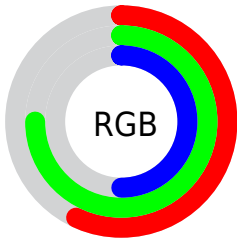
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 191, 173
Decimal	9551743
CIELab	72.77, -27.20, 27.49
CIELCh	73, 38.678, 134.696
Yxy	44.8137, 0.3224, 0.4232
Android (android.graphics.Color)	4287741823 (0xFF91BF7F)
YUV	169.9500, -21.1743, -21.8811
Hunter-Lab	66.9430, -26.1185, 23.0008

# Details

The Yxy color **44.8137, 0.3224, 0.4232** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.8368, 0.2979, 0.2422**, and the grayscale version is **40.2841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7095, 0.3217, 0.4054**, and **20.7543, 0.3231, 0.4531** is the 20% darker color. If you saturate the color by 10%, you get **43.1904, 0.3242, 0.4555**, and if you desaturate by 10%, it is **46.6861, 0.3199, 0.3923**.

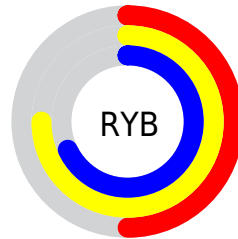
# Distribution



Red (57%)

Green (75%)

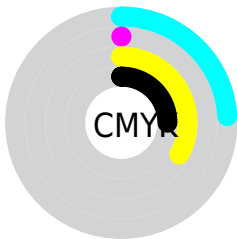
Blue (50%)



Red (50%)

Yellow (75%)

Blue (68%)

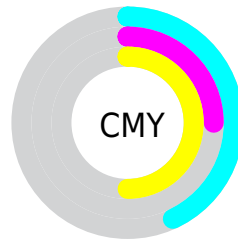


Cyan (24%)

Magenta (0%)

Yellow (33%)

Black (25%)



Cyan (43%)

Magenta (25%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8137, 0.3224, 0.4232 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 44.8137, 0.3224, 0.4232 by changing the saturation by 10% instead.





 44.8137, 0.3224,  
0.4232

 44.8137, 0.3224,  
0.4232


366.0185, 0.3189,  
0.3737


 31.3107, 0.3228,  
0.4363


 82.4408, 0.3215,  
0.4047

 20.8356, 0.3229,  
0.4534


 107.3337, 0.3210,  
0.3979

 13.0039, 0.3223,  
0.4768


 136.7920, 0.3206,  
0.3922

 7.4312, 0.3201,  
0.5104

171.2001, 0.3202,  
0.3874

 3.7332, 0.3137,  
0.5624

210.9424, 0.3198,  
0.3832

 1.5255, 0.3082,  
0.6918

256.4033, 0.3195,

 0.3066, 0.0000,

0.3796

1.0000

307.9672, 0.3192,  
0.3765

0.0000, 0.0000,  
0.0000

44.8137, 0.3224,  
0.4232

44.8137, 0.3224,  
0.4232

43.1904, 0.3242,  
0.4555

46.6861, 0.3199,  
0.3923

41.7998, 0.3250,  
0.4880

48.8119, 0.3170,  
0.3636

40.6323, 0.3246,  
0.5189


51.2025, 0.3138,  
0.3375


39.6751, 0.3228,  
0.5463


53.8667, 0.3106,  
0.3141


38.9143, 0.3196,  
0.5681

56.8132, 0.3074,  
0.2934

 38.3337, 0.3153,  
0.5832

 60.0499, 0.3043,  
0.2751

 38.0374, 0.3124,  
0.5902

 63.2100, 0.3052,  
0.2643

 65.7212, 0.3156,  
0.2663

 65.7430, 0.3157,  
0.2663

# Harmonies

## Analogous

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



44.8137, 0.3743, 0.4257



44.8137, 0.3224, 0.4232



44.8137, 0.2704, 0.3870

# Triad

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



44.8137, 0.3224, 0.4232



44.8137, 0.2207, 0.2518



44.8137, 0.3992, 0.3175

# Complementary

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



44.8137, 0.3224, 0.4232



27.8368, 0.2979, 0.2422

# 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.



44.8137, 0.3512, 0.2795



44.8137, 0.3224, 0.4232



44.8137, 0.2487, 0.2425

# Square

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



44.8137, 0.3224, 0.4232



44.8137, 0.2148, 0.2826



44.8137, 0.2953, 0.2528



44.8137, 0.4217, 0.3603



# Rectangle

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



44.8137, 0.3224, 0.4232



44.8137, 0.2426, 0.3510



44.8137, 0.2953, 0.2528



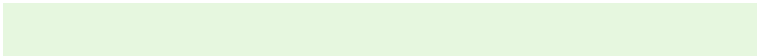
44.8137, 0.3853, 0.3039

# Sweetspot

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



44.8156, 0.3224, 0.4232



88.7934, 0.3160, 0.3546



42.4501, 0.3697, 0.3900



19.3680, 0.3164, 0.3584



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.



44.8156, 0.3224, 0.4232



78.1401, 0.3238, 0.4462



43.6972, 0.2986, 0.4054



10.7759, 0.3157, 0.3524



25.0323, 0.3132, 0.5895



1.0147, 0.3324, 0.5743



# Inverse Universe

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



27.8368, 0.2979, 0.2422



43.1932, 0.2937, 0.2230



29.4435, 0.3310, 0.2632



9.5580, 0.3094, 0.3061



6.0292, 0.2517, 0.1160



0.2675, 0.2689, 0.1255



# Previews

## White Background



This preview shows how the Yxy color 44.8137, 0.3224, 0.4232 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 44.8137, 0.3224, 0.4232 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 44.8137, 0.3224, 0.4232**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.8137, 0.3224, 0.4232.



This preview shows how white text looks on a background with the Yxy color 44.8137, 0.3224, 0.4232.

# 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

44.8137, 0.3224, 0.4232

### Protanopia

44.5834, 0.3737, 0.4022

### Deuteranopia

44.4662, 0.3854, 0.3788



## Tritanopia

44.5550, 0.2807, 0.3086

# Trichromacy



**Original Color**

44.8137, 0.3224, 0.4232

**Protanomaly**

44.5523, 0.3541, 0.4100

**Deuteranomaly**

43.8916, 0.3603, 0.3934

**Tritanomaly**

44.3519, 0.2956, 0.3473

# Monochromacy



**Original Color**

44.8137, 0.3224, 0.4232

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

41.7510, 0.3172, 0.3633

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8137, 0.3224, 0.4232 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(145, 191, 127)` looks like.

```
.text, #text, p{  
    color:rgb(145, 191, 127)  
}
```

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(145, 191, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 191, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8137, 0.3224, 0.4232 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(145, 191, 127) }
```

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

```
.border{ border-color:rgb(145, 191, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 191, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 191, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 191, 127);  
box-shadow:4px 4px 4px 4px rgb(145, 191,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8137, 0.3224, 0.4232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 191, 127) }
```

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

```
.background{ background-color: rgb(145,  
191, 127) }
```

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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