

# Converting Colors

$Yxy(45.1303, 0.3097, 0.3948)$

Have a look what the booklet for  
Yxy(45.1303, 0.3097, 0.3948)  
contains.

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# Color

**Yxy(44.8910, 0.3096, 0.3949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91BE91
RGB	145, 190, 145
RGB Percent	57%, 75%, 57%
CMY	0.4315, 0.2548, 0.4314
CMYK	0.24, 0.00, 0.24, 0.25
HSL	120°, 26%, 66%
HSV	120°, 24%, 75%
XYZ	35.1944, 44.8910, 33.5915
YIQ	171.4150, -12.3750, -23.5350

# Conversions

## Conversions Part 2

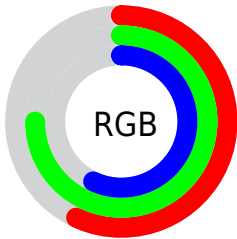
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 190, 190
Decimal	9551505
CIELab	72.82, -23.80, 18.00
CIElCh	73, 29.839, 142.905
Yxy	44.8910, 0.3096, 0.3949
Android (android.graphics.Color)	4287741585 (0xFF91BE91)
YUV	171.4150, -13.0226, -23.1660
Hunter-Lab	67.0007, -23.4883, 17.1749

# Details

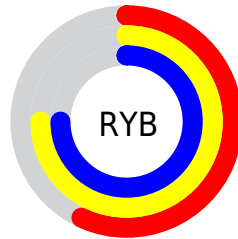
The Yxy color **44.8910, 0.3096, 0.3949** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.9031, 0.3155, 0.2709**, and the grayscale version is **41.0118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3144, 0.3109, 0.3815**, and **20.7436, 0.3076, 0.4160** is the 20% darker color. If you saturate the color by 10%, you get **42.7717, 0.3080, 0.4280**, and if you desaturate by 10%, it is **47.4006, 0.3110, 0.3648**.

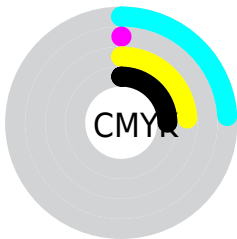
# Distribution



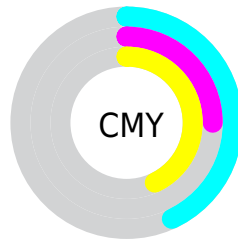
- Red (57%)
- Green (75%)
- Blue (57%)



- Red (57%)
- Yellow (75%)
- Blue (75%)



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8910, 0.3096, 0.3949 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 44.8910, 0.3096, 0.3949 by changing the saturation by 10% instead.





 44.8910, 0.3096,  
0.3949

 44.8910, 0.3096,  
0.3949

366.3319, 0.3118,  
0.3605

 31.3716, 0.3088,  
0.4040

 82.5568, 0.3106,  
0.3820

 20.8820, 0.3076,  
0.4159


 107.4720, 0.3109,  
0.3773

 13.0377, 0.3057,  
0.4323


136.9546, 0.3112,  
0.3734

 7.4545, 0.3025,  
0.4562

171.3889, 0.3114,  
0.3700

 3.7480, 0.2962,  
0.4937

211.1594, 0.3115,  
0.3671

 1.5336, 0.2967,  
0.5924

256.6505, 0.3116,

 0.3122, 0.0000,

0.3646

1.0000

308.2465, 0.3118,  
0.3624

0.0000, 0.0000,  
0.0000

44.8910, 0.3096,  
0.3949

44.8910, 0.3096,  
0.3949

42.7717, 0.3080,  
0.4280

47.4006, 0.3110,  
0.3648

41.0179, 0.3064,  
0.4632

50.3128, 0.3123,  
0.3381

39.6106, 0.3047,  
0.4988

53.6462, 0.3134,  
0.3147

38.5268, 0.3031,  
0.5323

57.4166, 0.3143,  
0.2946

37.7408, 0.3018,  
0.5609

61.6391, 0.3152,  
0.2773

■ 37.2230, 0.3008,  
0.5823

■ 65.3133, 0.3157,  
0.2654

■ 36.9378, 0.3002,  
0.5951

■ 36.8336, 0.3000,  
0.6000

# Harmonies

## Analogous

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



44.8910, 0.3511, 0.4052



44.8910, 0.3096, 0.3949



44.8910, 0.2706, 0.3625

# Triad

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



44.8910, 0.3096, 0.3949



44.8910, 0.2447, 0.2650



44.8910, 0.3863, 0.3301

# Complementary

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



44.8910, 0.3096, 0.3949



34.9031, 0.3155, 0.2709

# 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.



44.8910, 0.3539, 0.2978



44.8910, 0.3096, 0.3949



44.8910, 0.2717, 0.2614

# Square

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



44.8910, 0.3096, 0.3949



44.8910, 0.2349, 0.2855



44.8910, 0.3113, 0.2733



44.8910, 0.3971, 0.3640



# Rectangle

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



44.8910, 0.3096, 0.3949



44.8910, 0.2510, 0.3348



44.8910, 0.3113, 0.2733



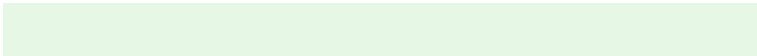
44.8910, 0.3775, 0.3188

# Sweetspot

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



44.8929, 0.3096, 0.3949



89.2805, 0.3119, 0.3467



49.8254, 0.3480, 0.3874



19.5332, 0.3118, 0.3483



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

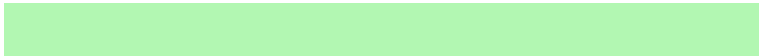


# Same Dimension

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



44.8929, 0.3096, 0.3949



79.4316, 0.3089, 0.4103



45.6570, 0.2935, 0.3612



10.6497, 0.3116, 0.3527



24.4881, 0.3000, 0.5999



0.9593, 0.2999, 0.5997



# Inverse Universe

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



34.9031, 0.3155, 0.2709



58.4494, 0.3160, 0.2592



33.9941, 0.3375, 0.2990



9.6962, 0.3138, 0.3064



9.7476, 0.3211, 0.1542



0.3819, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 44.8910, 0.3096, 0.3949 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

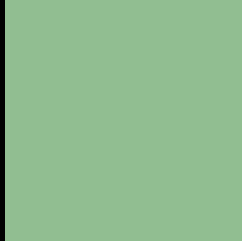
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.8910, 0.3096, 0.3949 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

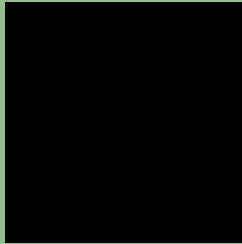
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.8910, 0.3096, 0.3949**

## Background



This preview shows how black text looks on a background with the Yxy color 44.8910, 0.3096, 0.3949.

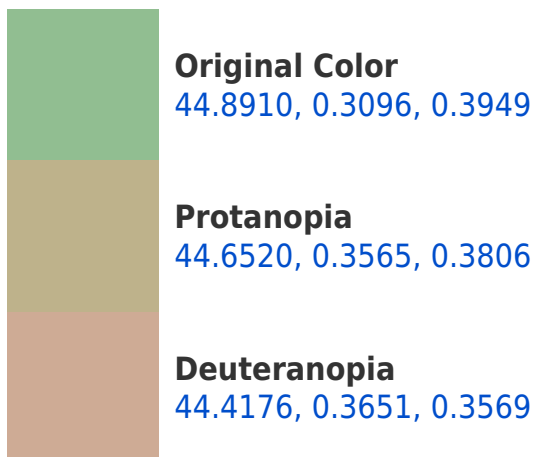


This preview shows how white text looks on a background with the Yxy color 44.8910, 0.3096, 0.3949.

# 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





## Tritanopia

44.8142, 0.2786, 0.3086

# Trichromacy



**Original Color**

44.8910, 0.3096, 0.3949

**Protanomaly**

44.3777, 0.3388, 0.3856

**Deuteranomaly**

44.1693, 0.3431, 0.3694

**Tritanomaly**

44.9518, 0.2898, 0.3387

# Monochromacy



**Original Color**

44.8910, 0.3096, 0.3949

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

42.1308, 0.3117, 0.3516

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8910, 0.3096, 0.3949 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, 190, 145)` looks like.

```
.text, #text, p{  
    color:rgb(145, 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(145, 190, 145) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 44.8910, 0.3096, 0.3949 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, 190, 145) }
```

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

```
.border{ border-color:rgb(145, 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(145, 190, 145)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to Yxy 44.8910, 0.3096, 0.3949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(145,  
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](#).

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