

# Converting Colors

$Y_{xy}(57.2235, 0.3246, 0.4400)$

Have a look what the booklet for  
Yxy(57.2235, 0.3246, 0.4400)  
contains.

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# Color

**Yxy(57.4349, 0.3247, 0.4402)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DD784
RGB	157, 215, 132
RGB Percent	62%, 84%, 52%
CMY	0.3844, 0.1568, 0.4824
CMYK	0.27, 0.00, 0.39, 0.16
HSL	102°, 51%, 68%
HSV	102°, 39%, 84%
XYZ	42.3651, 57.4349, 30.6746
YIQ	188.1960, -7.9250, -38.1090

# Conversions

## Conversions Part 2

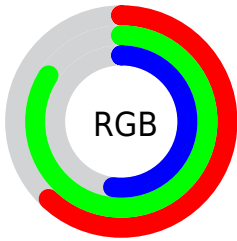
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 215, 190
Decimal	10344324
CIELab	80.42, -33.68, 35.14
CIElCh	80, 48.673, 133.787
Yxy	57.4349, 0.3247, 0.4402
Android (android.graphics.Color)	4288534404 (0xFF9DD784)
YUV	188.1960, -27.7046, -27.3589
Hunter-Lab	75.7858, -32.8418, 29.0522

# Details

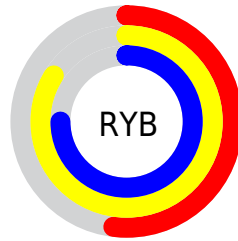
The Yxy color **57.4349, 0.3247, 0.4402** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.3526, 0.2931, 0.2271**, and the grayscale version is **50.5680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2113, 0.3259, 0.4034**, and **28.6193, 0.3246, 0.4727** is the 20% darker color. If you saturate the color by 10%, you get **55.4887, 0.3263, 0.4728**, and if you desaturate by 10%, it is **59.6932, 0.3222, 0.4083**.

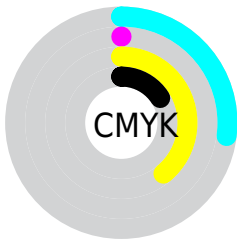
# Distribution



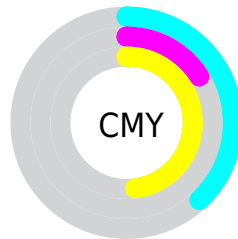
- Red (62%)
- Green (84%)
- Blue (52%)



- Red (52%)
- Yellow (84%)
- Blue (75%)



- Cyan (27%)
- Magenta (0%)
- Yellow (39%)
- Black (16%)




- Cyan (38%)
- Magenta (16%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.4349, 0.3247, 0.4402 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 57.4349, 0.3247, 0.4402 by changing the saturation by 10% instead.




 57.4349, 0.3247,  
0.4402


 57.4349, 0.3247,  
0.4402

415.0769, 0.3208,  
0.3838

 41.3545, 0.3249,  
0.4543


 101.0995, 0.3238,  
0.4196

 28.5962, 0.3248,  
0.4723


 129.4525, 0.3233,  
0.4119

 18.7756, 0.3239,  
0.4961


 162.6651, 0.3229,  
0.4054

 11.5082, 0.3213,  
0.5287

201.1218, 0.3224,  
0.3999

 6.4098, 0.3144,  
0.5750

245.2069, 0.3220,  
0.3951

 3.0958, 0.3150,  
0.6838

295.3049, 0.3216,

 1.1820, 0.1885,

0.3908

0.8115

351.8001, 0.3212,  
0.3871

0.0469, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

57.4349, 0.3247,  
0.4402

57.4349, 0.3247,  
0.4402

55.4887, 0.3263,  
0.4728

59.6932, 0.3222,  
0.4083

53.8331, 0.3266,  
0.5046


62.2696, 0.3192,  
0.3783


52.4549, 0.3256,  
0.5337


65.1788, 0.3158,  
0.3507

51.3373, 0.3230,  
0.5582


68.4326, 0.3122,  
0.3257

 50.4607, 0.3191,  
0.5763

 72.0423, 0.3086,  
0.3035

 49.7993, 0.3142,  
0.5878

 75.6267, 0.3090,  
0.2894

 49.7209, 0.3136,  
0.5892

 77.0863, 0.3145,  
0.2901

# Harmonies

## Analogous

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



57.4349, 0.3842, 0.4401



57.4349, 0.3247, 0.4402



57.4349, 0.2650, 0.3988

# Triad

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



57.4349, 0.3247, 0.4402



57.4349, 0.2073, 0.2410



57.4349, 0.4117, 0.3135

# Complementary

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



57.4349, 0.3247, 0.4402



32.3526, 0.2931, 0.2271

# 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.



57.4349, 0.3549, 0.2712



57.4349, 0.3247, 0.4402



57.4349, 0.2379, 0.2305

# Square

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



57.4349, 0.3247, 0.4402



57.4349, 0.2013, 0.2760



57.4349, 0.2903, 0.2418



57.4349, 0.4386, 0.3617

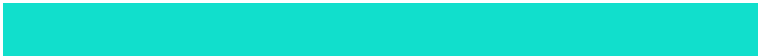


# Rectangle

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



57.4349, 0.3247, 0.4402



57.4349, 0.2332, 0.3561



57.4349, 0.2903, 0.2418



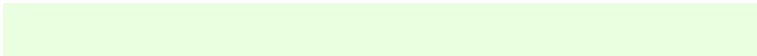
57.4349, 0.3951, 0.2984

# Sweetspot

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



57.4374, 0.3247, 0.4402



94.3504, 0.3170, 0.3600



52.3877, 0.3813, 0.3969



20.0729, 0.3175, 0.3636



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



57.4374, 0.3247, 0.4402



82.2321, 0.3260, 0.4657



55.6231, 0.2983, 0.4243



14.0754, 0.3161, 0.3528



29.7843, 0.3146, 0.5884



1.8393, 0.3278, 0.5779



# Inverse Universe

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



32.3526, 0.2931, 0.2271



40.4777, 0.2877, 0.2061



35.1057, 0.3320, 0.2497



12.4364, 0.3090, 0.3057



6.8859, 0.2464, 0.1131



0.4575, 0.2597, 0.1204



# Previews

## White Background



This preview shows how the Yxy color 57.4349, 0.3247, 0.4402 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 57.4349, 0.3247, 0.4402 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 57.4349, 0.3247, 0.4402**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.4349, 0.3247, 0.4402.



This preview shows how white text looks on a background with the Yxy color 57.4349, 0.3247, 0.4402.

# 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**

57.4349, 0.3247, 0.4402

**Protanopia**

57.1049, 0.3830, 0.4141

**Deuteranopia**

56.6664, 0.3953, 0.3867



## Tritanopia

57.0641, 0.2777, 0.3081

# Trichromacy



## Original Color

57.4349, 0.3247, 0.4402



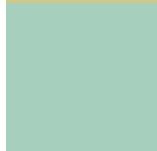
## Protanomaly

56.8233, 0.3602, 0.4244



## Deuteranomaly

56.0343, 0.3678, 0.4050



## Tritanomaly

56.8929, 0.2949, 0.3534

# Monochromacy



## Original Color

57.4349, 0.3247, 0.4402



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

52.5624, 0.3180, 0.3682

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.4349, 0.3247, 0.4402 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(157, 215, 132)` looks like.

```
.text, #text, p{  
    color:rgb(157, 215, 132)  
}
```

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(157, 215, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 215, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 57.4349, 0.3247, 0.4402 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(157, 215, 132) }
```

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

```
.border{ border-color:rgb(157, 215, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 215, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 215, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 215, 132);  
box-shadow:4px 4px 4px 4px rgb(157, 215,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.4349, 0.3247, 0.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 215, 132) }
```

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

```
.background{ background-color: rgb(157,  
215, 132) }
```

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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