

# Converting Colors

Yxy(54.0828, 0.3229, 0.4268)

Have a look what the booklet for  
Yxy(54.0828, 0.3229, 0.4268)  
contains.

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# Color

**Yxy(54.0574, 0.3233, 0.4272)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9DD088
RGB	157, 208, 136
RGB Percent	62%, 82%, 53%
CMY	0.3842, 0.1843, 0.4666
CMYK	0.24, 0.00, 0.35, 0.18
HSL	102°, 43%, 67%
HSV	102°, 35%, 82%
XYZ	40.9100, 54.0574, 31.5714
YIQ	184.5430, -7.2840, -33.2040

# Conversions

## Conversions Part 2

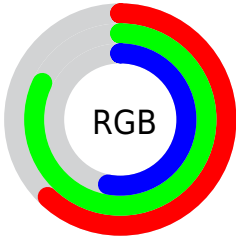
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">136, 208, 187</a>
Decimal	<a href="#">10342536</a>
CIELab	<a href="#">78.50, -29.79, 30.55</a>
CIELCh	<a href="#">78, 42.670, 134.283</a>
Yxy	<a href="#">54.0574, 0.3233, 0.4272</a>
Android (android.graphics.Color)	<a href="#">4288532616 (0xFF9DD088)</a>
YUV	<a href="#">184.5430, -23.9317, -24.1552</a>
Hunter-Lab	<a href="#">73.5237, -29.3457, 26.0072</a>

# Details

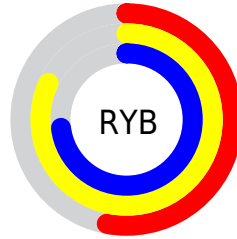
The Yxy color **54.0574, 0.3233, 0.4272** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.7237, 0.2964, 0.2384**, and the grayscale version is **48.3922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3838, 0.3236, 0.3990**, and **26.3814, 0.3241, 0.4563** is the 20% darker color. If you saturate the color by 10%, you get **52.1313, 0.3251, 0.4597**, and if you desaturate by 10%, it is **56.2813, 0.3207, 0.3960**.

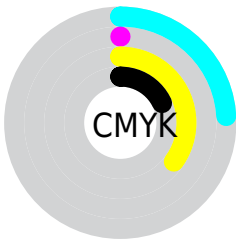
# Distribution



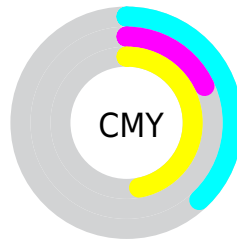
- Red (62%)
- Green (82%)
- Blue (53%)



- Red (53%)
- Yellow (82%)
- Blue (73%)



- Cyan (24%)
- Magenta (0%)
- Yellow (35%)
- Black (18%)




- Cyan (38%)
- Magenta (18%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.0574, 0.3233, 0.4272 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 54.0574, 0.3233, 0.4272 by changing the saturation by 10% instead.




 54.0574, 0.3233,  
0.4272


 54.0574, 0.3233,  
0.4272


402.3289, 0.3196,  
0.3771


 38.6476, 0.3237,  
0.4399


 96.1585, 0.3224,  
0.4088

 26.4857, 0.3238,  
0.4563

 123.6186, 0.3219,  
0.4020

 17.1873, 0.3234,  
0.4780


 155.8642, 0.3214,  
0.3962

 10.3681, 0.3216,  
0.5083

193.2797, 0.3210,  
0.3913

 5.6437, 0.3164,  
0.5525

236.2495, 0.3206,  
0.3870

 2.6297, 0.3194,  
0.6572

285.1581, 0.3203,

 0.9416, 0.1503,

0.3833

0.8497

340.3897, 0.3199,  
0.3800

0.0000, 0.0000,  
0.0000

54.0574, 0.3233,  
0.4272

54.0574, 0.3233,  
0.4272

52.1313, 0.3251,  
0.4597

56.2813, 0.3207,  
0.3960

50.4832, 0.3259,  
0.4921

58.8083, 0.3176,  
0.3669

49.1013, 0.3254,  
0.5226


61.6521, 0.3143,  
0.3403


47.9702, 0.3234,  
0.5493


64.8234, 0.3109,  
0.3165

47.0728, 0.3200,  
0.5702

68.3326, 0.3075,  
0.2954

 46.3890, 0.3155,  
0.5843

 71.8100, 0.3080,  
0.2821

 46.0949, 0.3130,  
0.5897

 73.5901, 0.3149,  
0.2831

# Harmonies

## Analogous

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



54.0574, 0.3769, 0.4290



54.0574, 0.3233, 0.4272



54.0574, 0.2695, 0.3900

# Triad

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



54.0574, 0.3233, 0.4272



54.0574, 0.2175, 0.2494



54.0574, 0.4018, 0.3163

# Complementary

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



54.0574, 0.3233, 0.4272



32.7237, 0.2964, 0.2384

# 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.



54.0574, 0.3517, 0.2774



54.0574, 0.3233, 0.4272



54.0574, 0.2459, 0.2397

# Square

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



54.0574, 0.3233, 0.4272



54.0574, 0.2116, 0.2814



54.0574, 0.2938, 0.2501



54.0574, 0.4255, 0.3604



# Rectangle

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



54.0574, 0.3233, 0.4272



54.0574, 0.2406, 0.3525



54.0574, 0.2938, 0.2501



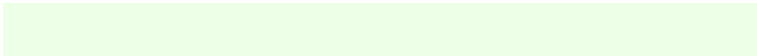
54.0574, 0.3873, 0.3024

# Sweetspot

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



54.0597, 0.3233, 0.4272



95.2011, 0.3162, 0.3546



50.4733, 0.3726, 0.3910



20.2416, 0.3166, 0.3584



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

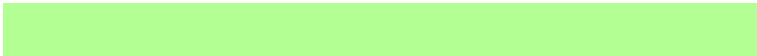


# Same Dimension

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



54.0597, 0.3233, 0.4272



83.2614, 0.3248, 0.4528



52.5597, 0.2989, 0.4108



13.3712, 0.3159, 0.3527



28.7734, 0.3139, 0.5890



1.6497, 0.3280, 0.5778



# Inverse Universe

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



32.7237, 0.2964, 0.2384



44.1693, 0.2913, 0.2171



34.8961, 0.3307, 0.2593



11.8284, 0.3092, 0.3058



6.7694, 0.2486, 0.1143



0.4182, 0.2623, 0.1219



# Previews

## White Background



This preview shows how the Yxy color 54.0574, 0.3233, 0.4272 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 54.0574, 0.3233, 0.4272 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 54.0574, 0.3233, 0.4272**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.0574, 0.3233, 0.4272.



This preview shows how white text looks on a background with the Yxy color 54.0574, 0.3233, 0.4272.

# 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

54.0574, 0.3233, 0.4272

### Protanopia

53.4533, 0.3765, 0.4051

### Deuteranopia

53.2790, 0.3881, 0.3796



## Tritanopia

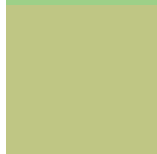
53.7893, 0.2809, 0.3089

# Trichromacy



## Original Color

54.0574, 0.3233, 0.4272



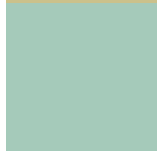
## Protanomaly

53.1305, 0.3564, 0.4130



## Deuteranomaly

52.7005, 0.3633, 0.3959



## Tritanomaly

53.7856, 0.2960, 0.3499

# Monochromacy



## Original Color

54.0574, 0.3233, 0.4272



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

50.0439, 0.3176, 0.3635

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.0574, 0.3233, 0.4272 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, 208, 136)` looks like.

```
.text, #text, p{  
    color:rgb(157, 208, 136)  
}
```

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, 208, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 208, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 54.0574, 0.3233, 0.4272 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, 208, 136) }
```

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

```
.border{ border-color:rgb(157, 208, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 208, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 208, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 208, 136);  
box-shadow:4px 4px 4px 4px rgb(157, 208,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.0574, 0.3233, 0.4272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 208, 136) }
```

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

```
.background{ background-color: rgb(157,  
208, 136) }
```

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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