

# Converting Colors

$Yxy(54.2473, 0.3004, 0.3929)$

Have a look what the booklet for  
Yxy(54.2473, 0.3004, 0.3929)  
contains.

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# Color

**Yxy(54.1099, 0.3005, 0.3920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95D0A2
RGB	149, 208, 162
RGB Percent	58%, 82%, 64%
CMY	0.4155, 0.1843, 0.3647
CMYK	0.28, 0.00, 0.22, 0.18
HSL	133°, 39%, 70%
HSV	133°, 28%, 82%
XYZ	41.4797, 54.1099, 42.4459
YIQ	185.1150, -20.3980, -26.8140

# Conversions

## Conversions Part 2

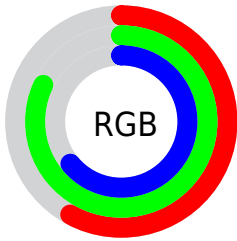
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 197, 208
Decimal	9818274
CIELab	78.53, -28.18, 16.87
CIELCh	79, 32.846, 149.087
Yxy	54.1099, 0.3005, 0.3920
Android (android.graphics.Color)	4288008354 (0xFF95D0A2)
YUV	185.1150, -11.3957, -31.6729
Hunter-Lab	73.5594, -28.0741, 17.2796

# Details

The Yxy color **54.1099, 0.3005, 0.3920** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.8621, 0.3279, 0.2733**, and the grayscale version is **48.6634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3671, 0.3029, 0.3699**, and **26.3951, 0.2961, 0.4107** is the 20% darker color. If you saturate the color by 10%, you get **51.7861, 0.2966, 0.4189**, and if you desaturate by 10%, it is **56.8621, 0.3047, 0.3674**.

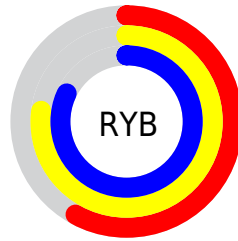
# Distribution



Red (58%)

Green (82%)

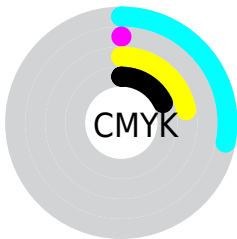
Blue (64%)



Red (58%)

Yellow (77%)

Blue (82%)

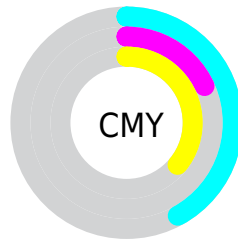


Cyan (28%)

Magenta (0%)

Yellow (22%)

Black (18%)



Cyan (42%)

Magenta (18%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.1099, 0.3005, 0.3920 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 54.1099, 0.3005, 0.3920 by changing the saturation by 10% instead.





 54.1099, 0.3005,  
0.3920


 54.1099, 0.3005,  
0.3920


402.5290, 0.3071,  
0.3600

 38.6895, 0.2987,  
0.4001


 96.2356, 0.3030,  
0.3803

 26.5183, 0.2963,  
0.4106


 123.7097, 0.3039,  
0.3759

 17.2118, 0.2930,  
0.4247


155.9705, 0.3047,  
0.3722

 10.3856, 0.2880,  
0.4446

193.4024, 0.3053,  
0.3691

 5.6554, 0.2801,  
0.4745

236.3898, 0.3059,  
0.3663

 2.6367, 0.2655,  
0.5244

285.3171, 0.3063,

 0.9451, 0.1812,

0.3640

0.8188

340.5687, 0.3067,  
0.3619

0.0000, 0.0000,  
0.0000

54.1099, 0.3005,  
0.3920

54.1099, 0.3005,  
0.3920

51.7861, 0.2966,  
0.4189

56.8621, 0.3047,  
0.3674

49.8625, 0.2933,  
0.4476

60.0557, 0.3091,  
0.3454

48.3180, 0.2908,  
0.4771

63.7117, 0.3134,  
0.3259

47.1269, 0.2895,  
0.5062

67.8476, 0.3176,  
0.3089

46.2601, 0.2896,  
0.5333

72.4801, 0.3216,  
0.2941

■ 45.6836, 0.2910,  
0.5566

■ 73.5885, 0.3149,  
0.2831

■ 45.3478, 0.2934,  
0.5750

■ 45.3037, 0.2938,  
0.5776

# Harmonies

## Analogous

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



54.1099, 0.3438, 0.4078



54.1099, 0.3005, 0.3920



54.1099, 0.2622, 0.3550

# Triad

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



54.1099, 0.3005, 0.3920



54.1099, 0.2469, 0.2607



54.1099, 0.3932, 0.3373

# Complementary

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



54.1099, 0.3005, 0.3920



38.8621, 0.3279, 0.2733

# 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.



54.1099, 0.3636, 0.3032



54.1099, 0.3005, 0.3920



54.1099, 0.2779, 0.2605

# Square

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



54.1099, 0.3005, 0.3920



54.1099, 0.2329, 0.2782



54.1099, 0.3205, 0.2759



54.1099, 0.3991, 0.3718



# Rectangle

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



54.1099, 0.3005, 0.3920



54.1099, 0.2443, 0.3259



54.1099, 0.3205, 0.2759



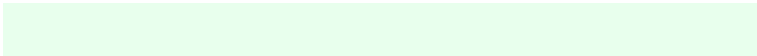
54.1099, 0.3856, 0.3255

# Sweetspot

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



54.1122, 0.3005, 0.3920



94.8042, 0.3088, 0.3470



58.9120, 0.3447, 0.4018



20.1245, 0.3081, 0.3501



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

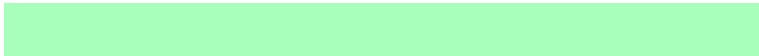


# Same Dimension

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



54.1122, 0.3005, 0.3920



83.4813, 0.2981, 0.4081



55.2776, 0.2819, 0.3511



13.2482, 0.3086, 0.3476



28.2498, 0.2932, 0.5755



1.5917, 0.2833, 0.5400



# Inverse Universe

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



38.8621, 0.3279, 0.2733



55.4285, 0.3320, 0.2613



37.6646, 0.3570, 0.3082



11.9627, 0.3171, 0.3110



10.0044, 0.3852, 0.1896



0.5707, 0.3711, 0.1818



# Previews

## White Background



This preview shows how the Yxy color 54.1099, 0.3005, 0.3920 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 54.1099, 0.3005, 0.3920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

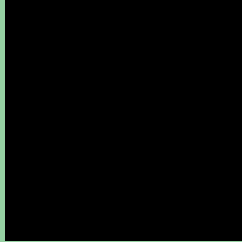
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.1099, 0.3005, 0.3920**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.1099, 0.3005, 0.3920.



This preview shows how white text looks on a background with the Yxy color 54.1099, 0.3005, 0.3920.

# 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

54.1099, 0.3005, 0.3920

### Protanopia

53.6283, 0.3533, 0.3756

### Deuteranopia

53.4374, 0.3594, 0.3514



## Tritanopia

54.1540, 0.2719, 0.3087

# Trichromacy



## Original Color

54.1099, 0.3005, 0.3920



## Protanomaly

53.1711, 0.3319, 0.3806



## Deuteranomaly

52.9023, 0.3357, 0.3655



## Tritanomaly

54.1855, 0.2819, 0.3381

# Monochromacy



## Original Color

54.1099, 0.3005, 0.3920



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

50.0849, 0.3077, 0.3501

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.1099, 0.3005, 0.3920 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(149, 208, 162)` looks like.

```
.text, #text, p{  
    color:rgb(149, 208, 162)  
}
```

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(149, 208, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 208, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 54.1099, 0.3005, 0.3920 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(149, 208, 162) }
```

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

```
.border{ border-color:rgb(149, 208, 162) }
```

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

Here you see how a box with a 4 pixel rgb(149, 208, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 208, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 208, 162);  
box-shadow:4px 4px 4px 4px rgb(149, 208,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.1099, 0.3005, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 208, 162) }
```

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

```
.background{ background-color: rgb(149,  
208, 162) }
```

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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