

# Converting Colors

$Yxy(54.6985, 0.3098, 0.3951)$

Have a look what the booklet for  
Yxy(54.6985, 0.3098, 0.3951)  
contains.

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# Color

**Yxy(54.9513, 0.3103, 0.3963)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FD09E
RGB	159, 208, 158
RGB Percent	62%, 82%, 62%
CMY	0.3764, 0.1843, 0.3804
CMYK	0.24, 0.00, 0.24, 0.18
HSL	119°, 35%, 72%
HSV	119°, 24%, 82%
XYZ	43.0265, 54.9513, 40.6831
YIQ	187.6490, -13.1540, -25.9380

# Conversions

## Conversions Part 2

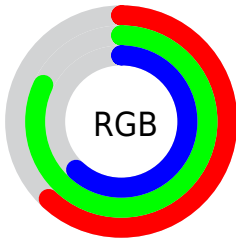
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 208, 207
Decimal	10473630
CIELab	79.01, -25.62, 19.77
CIELCh	79, 32.361, 142.355
Yxy	54.9513, 0.3103, 0.3963
Android (android.graphics.Color)	4288663710 (0xFF9FD09E)
YUV	187.6490, -14.6170, -25.1252
Hunter-Lab	74.1291, -26.1200, 19.3512

# Details

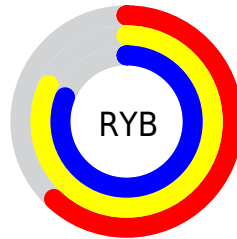
The Yxy color **54.9513, 0.3103, 0.3963** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.2692, 0.3146, 0.2695**, and the grayscale version is **50.1719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6202, 0.3112, 0.3736**, and **26.8872, 0.3086, 0.4162** is the 20% darker color. If you saturate the color by 10%, you get **52.3824, 0.3090, 0.4296**, and if you desaturate by 10%, it is **57.9895, 0.3114, 0.3659**.

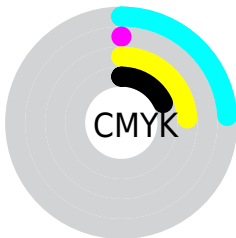
# Distribution



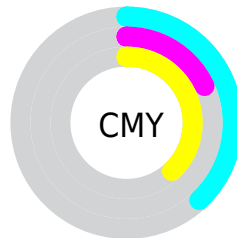
- Red (62%)
- Green (82%)
- Blue (62%)



- Red (62%)
- Yellow (82%)
- Blue (81%)



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9513, 0.3103, 0.3963 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 54.9513, 0.3103, 0.3963 by changing the saturation by 10% instead.





 54.9513, 0.3103,  
0.3963


 54.9513, 0.3103,  
0.3963

405.7273, 0.3122,  
0.3623

 39.3627, 0.3096,  
0.4049

 97.4696, 0.3111,  
0.3838

 27.0420, 0.3086,  
0.4160


 125.1681, 0.3114,  
0.3792

 17.6048, 0.3071,  
0.4308


157.6721, 0.3116,  
0.3753

 10.6666, 0.3045,  
0.4516

195.3659, 0.3118,  
0.3719

 5.8431, 0.2999,  
0.4826

238.6339, 0.3119,  
0.3690

 2.7499, 0.2901,  
0.5334

287.8606, 0.3120,


 1.0026, 0.2436,


0.3665


0.7564


343.4302, 0.3121,  
0.3642


 0.0000, 0.0000,  
0.0000


 54.9513, 0.3103,  
0.3963


 54.9513, 0.3103,  
0.3963


 52.3824, 0.3090,  
0.4296


 57.9895, 0.3114,  
0.3659


 50.2528, 0.3075,  
0.4650


 61.5114, 0.3124,  
0.3389


 48.5402, 0.3060,  
0.5005

 65.5393, 0.3132,  
0.3154

 47.2171, 0.3044,  
0.5338

 70.0921, 0.3138,  
0.2950

 46.2530, 0.3029,  
0.5622

 73.5931, 0.3149,  
0.2831

■ 45.6127, 0.3016,  
0.5832

■ 45.2541, 0.3006,  
0.5955

■ 45.1404, 0.3004,  
0.5997

# Harmonies

## Analogous

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



54.9513, 0.3523, 0.4062



54.9513, 0.3103, 0.3963



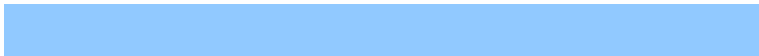
54.9513, 0.2707, 0.3637

# Triad

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



54.9513, 0.3103, 0.3963



54.9513, 0.2434, 0.2644



54.9513, 0.3869, 0.3294

# Complementary

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



54.9513, 0.3103, 0.3963



42.2692, 0.3146, 0.2695

# 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.



54.9513, 0.3538, 0.2969



54.9513, 0.3103, 0.3963



54.9513, 0.2705, 0.2604

# Square

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



54.9513, 0.3103, 0.3963



54.9513, 0.2339, 0.2854



54.9513, 0.3105, 0.2723



54.9513, 0.3983, 0.3638



# Rectangle

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



54.9513, 0.3103, 0.3963



54.9513, 0.2507, 0.3356



54.9513, 0.3105, 0.2723



54.9513, 0.3778, 0.3180

# Sweetspot

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



54.9536, 0.3103, 0.3963



95.7362, 0.3121, 0.3468



60.1832, 0.3492, 0.3867



20.4168, 0.3121, 0.3484



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

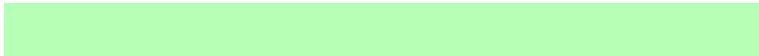


# Same Dimension

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



54.9536, 0.3103, 0.3963



84.8710, 0.3096, 0.4137



55.7314, 0.2942, 0.3642



13.2176, 0.3119, 0.3530



28.1383, 0.3005, 0.5996



1.5774, 0.3021, 0.5983



# Inverse Universe

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



42.2692, 0.3146, 0.2695



61.2639, 0.3149, 0.2563



41.3506, 0.3366, 0.2964



11.9963, 0.3135, 0.3061



10.8244, 0.3159, 0.1514



0.6092, 0.3169, 0.1519



# Previews

## White Background



This preview shows how the Yxy color 54.9513, 0.3103, 0.3963 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

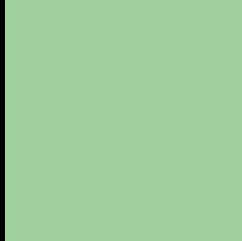
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.9513, 0.3103, 0.3963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

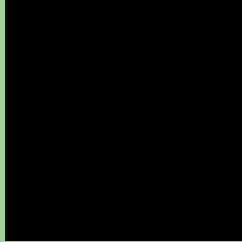
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.9513, 0.3103, 0.3963**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.9513, 0.3103, 0.3963.

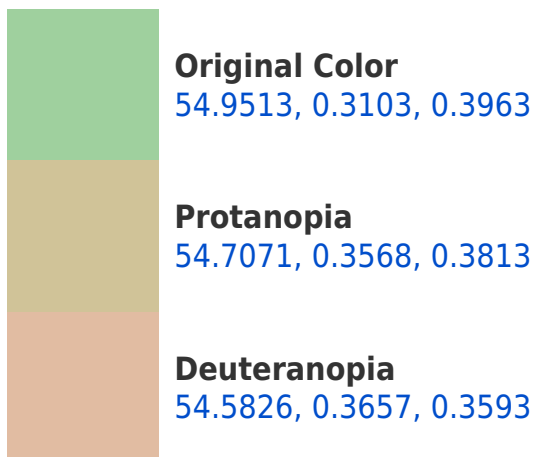


This preview shows how white text looks on a background with the Yxy color 54.9513, 0.3103, 0.3963.

# 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

54.7014, 0.2791, 0.3090

# Trichromacy



## Original Color

54.9513, 0.3103, 0.3963



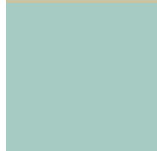
## Protanomaly

54.5888, 0.3387, 0.3874



## Deuteranomaly

54.0209, 0.3437, 0.3711



## Tritanomaly

54.6513, 0.2900, 0.3393

# Monochromacy



## Original Color

54.9513, 0.3103, 0.3963



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

51.5516, 0.3116, 0.3524

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.9513, 0.3103, 0.3963 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(159, 208, 158)` looks like.

```
.text, #text, p{  
    color:rgb(159, 208, 158)  
}
```

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(159, 208, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 208, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9513, 0.3103, 0.3963 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(159, 208, 158) }
```

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

```
.border{ border-color:rgb(159, 208, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 208, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 208, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 208, 158);  
box-shadow:4px 4px 4px 4px rgb(159, 208,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9513, 0.3103, 0.3963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 208, 158) }
```

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

```
.background{ background-color: rgb(159,  
208, 158) }
```

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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