

# Converting Colors

Yxy(54.2965, 0.3137, 0.4021)

Have a look what the booklet for  
Yxy(54.2965, 0.3137, 0.4021)  
contains.

<b>Yxy(54.2965, 0.3137, 0.4021)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(54.2965, 0.3137, 0.4021)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FCF99
RGB	159, 207, 153
RGB Percent	62%, 81%, 60%
CMY	0.3765, 0.1882, 0.4001
CMYK	0.23, 0.00, 0.26, 0.19
HSL	113°, 36%, 71%
HSV	113°, 26%, 81%
XYZ	42.3596, 54.2965, 38.3762
YIQ	186.4920, -11.2740, -26.9700

# Conversions

## Conversions Part 2

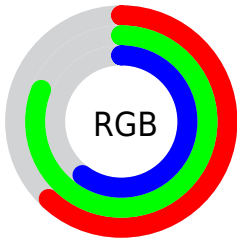
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 207, 201
Decimal	10473369
CIELab	78.63, -25.98, 21.89
CIELCh	79, 33.975, 139.891
Yxy	54.2965, 0.3137, 0.4021
Android (android.graphics.Color)	4288663449 (0xFF9FCF99)
YUV	186.4920, -16.5116, -24.1105
Hunter-Lab	73.6862, -26.3373, 20.7017

# Details

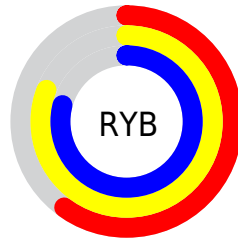
The Yxy color **54.2965, 0.3137, 0.4021** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.6974, 0.3102, 0.2635**, and the grayscale version is **49.4931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3702, 0.3141, 0.3790**, and **26.4800, 0.3121, 0.4223** is the 20% darker color. If you saturate the color by 10%, you get **51.9305, 0.3136, 0.4352**, and if you desaturate by 10%, it is **57.0656, 0.3135, 0.3716**.

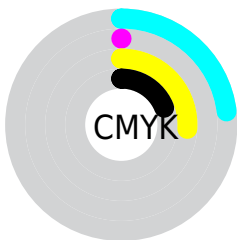
# Distribution



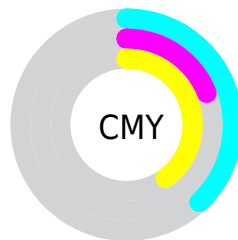
- Red (62%)
- Green (81%)
- Blue (60%)



- Red (60%)
- Yellow (81%)
- Blue (79%)



- Cyan (23%)
- Magenta (0%)
- Yellow (26%)
- Black (19%)



- Cyan (38%)
- Magenta (19%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.2965, 0.3137, 0.4021 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 54.2965, 0.3137, 0.4021 by changing the saturation by 10% instead.





 54.2965, 0.3137,  
0.4021


 54.2965, 0.3137,  
0.4021


403.2396, 0.3140,  
0.3650

 38.8388, 0.3133,  
0.4115


 96.5095, 0.3140,  
0.3885

 26.6343, 0.3127,  
0.4236


 124.0335, 0.3141,  
0.3834

 17.2988, 0.3116,  
0.4398


156.3483, 0.3141,  
0.3792

 10.4477, 0.3096,  
0.4626

193.8385, 0.3141,  
0.3755

 5.6968, 0.3054,  
0.4965

236.8883, 0.3141,  
0.3723

 2.6616, 0.2968,  
0.5542

285.8822, 0.3141,

 0.9577, 0.2226,

0.3696

0.7774

341.2045, 0.3141,  
0.3672

0.0000, 0.0000,  
0.0000

54.2965, 0.3137,  
0.4021

54.2965, 0.3137,  
0.4021

51.9305, 0.3136,  
0.4352

57.0656, 0.3135,  
0.3716

49.9421, 0.3130,  
0.4698

60.2482, 0.3131,  
0.3442

48.3140, 0.3119,  
0.5042

63.8627, 0.3125,  
0.3199

47.0242, 0.3103,  
0.5362

67.9245, 0.3118,  
0.2987

46.0486, 0.3082,  
0.5632

72.3521, 0.3120,  
0.2817

■ 45.3600, 0.3057,  
0.5831

■ 73.1083, 0.3149,  
0.2821

■ 44.9257, 0.3032,  
0.5949

■ 44.8113, 0.3025,  
0.5980

# Harmonies

## Analogous

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



54.2965, 0.3576, 0.4101



54.2965, 0.3137, 0.4021



54.2965, 0.2714, 0.3691

# Triad

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



54.2965, 0.3137, 0.4021



54.2965, 0.2384, 0.2622



54.2965, 0.3888, 0.3262

# Complementary

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



54.2965, 0.3137, 0.4021



39.6974, 0.3102, 0.2635

# 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.



54.2965, 0.3524, 0.2927



54.2965, 0.3137, 0.4021



54.2965, 0.2653, 0.2567

# Square

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



54.2965, 0.3137, 0.4021



54.2965, 0.2300, 0.2856



54.2965, 0.3065, 0.2679



54.2965, 0.4030, 0.3625



# Rectangle

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



54.2965, 0.3137, 0.4021



54.2965, 0.2496, 0.3396



54.2965, 0.3065, 0.2679



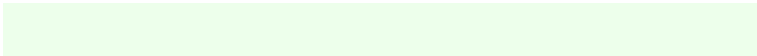
54.2965, 0.3786, 0.3144

# Sweetspot

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



54.2988, 0.3137, 0.4021



95.4778, 0.3132, 0.3494



57.2003, 0.3536, 0.3867



20.2650, 0.3132, 0.3535



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

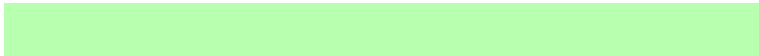


# Same Dimension

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



54.2988, 0.3137, 0.4021



84.9370, 0.3137, 0.4193



54.4428, 0.2957, 0.3739



13.2684, 0.3132, 0.3529



28.2522, 0.3030, 0.5976



1.6014, 0.3112, 0.5911



# Inverse Universe

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



39.6974, 0.3102, 0.2635



57.8784, 0.3094, 0.2500



39.6007, 0.3348, 0.2881



11.9394, 0.3120, 0.3060



9.2792, 0.2932, 0.1389

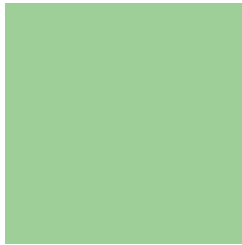


0.5383, 0.2986, 0.1418



# Previews

## White Background



This preview shows how the Yxy color 54.2965, 0.3137, 0.4021 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 54.2965, 0.3137, 0.4021 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

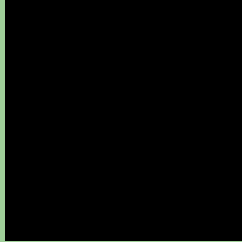
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.2965, 0.3137, 0.4021**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.2965, 0.3137, 0.4021.



This preview shows how white text looks on a background with the Yxy color 54.2965, 0.3137, 0.4021.

# 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

54.2965, 0.3137, 0.4021

### Protanopia

54.1001, 0.3611, 0.3863

### Deuteranopia

53.5597, 0.3705, 0.3628



## Tritanopia

54.2992, 0.2803, 0.3090

# Trichromacy



## Original Color

54.2965, 0.3137, 0.4021



## Protanomaly

53.9639, 0.3426, 0.3927



## Deuteranomaly

53.4014, 0.3479, 0.3762



## Tritanomaly

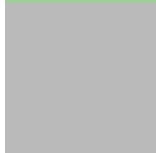
54.1538, 0.2927, 0.3419

# Monochromacy



## Original Color

54.2965, 0.3137, 0.4021



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

50.8697, 0.3131, 0.3552

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.2965, 0.3137, 0.4021 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, 207, 153)` looks like.

```
.text, #text, p{  
    color:rgb(159, 207, 153)  
}
```

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, 207, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 207, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 54.2965, 0.3137, 0.4021 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, 207, 153) }
```

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

```
.border{ border-color:rgb(159, 207, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 207, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 207, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 207, 153);  
box-shadow:4px 4px 4px 4px rgb(159, 207,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.2965, 0.3137, 0.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 207, 153) }
```

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

```
.background{ background-color: rgb(159,  
207, 153) }
```

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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