

# Converting Colors

$Yxy(54.2294, 0.3182, 0.3998)$

Have a look what the booklet for  
Yxy(54.2294, 0.3182, 0.3998)  
contains.

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# Color

**Yxy(54.4419, 0.3183, 0.3999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5CE99
RGB	165, 206, 153
RGB Percent	65%, 81%, 60%
CMY	0.3531, 0.1921, 0.4000
CMYK	0.20, 0.00, 0.26, 0.19
HSL	106°, 35%, 70%
HSV	106°, 26%, 81%
XYZ	43.3330, 54.4419, 38.3639
YIQ	187.6990, -7.4230, -25.1750

# Conversions

## Conversions Part 2

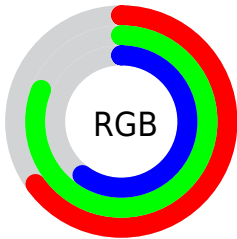
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 206, 194
Decimal	10866329
CIELab	78.72, -23.45, 22.05
CIELCh	79, 32.184, 136.758
Yxy	54.4419, 0.3183, 0.3999
Android (android.graphics.Color)	4289056409 (0xFFA5CE99)
YUV	187.6990, -17.1066, -19.9070
Hunter-Lab	73.7848, -24.2922, 20.8219

# Details

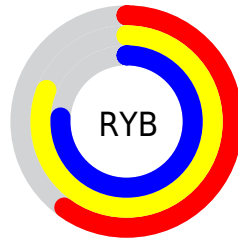
The Yxy color **54.4419, 0.3183, 0.3999** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.7184, 0.3047, 0.2633**, and the grayscale version is **50.2095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4462, 0.3185, 0.3784**, and **26.8605, 0.3180, 0.4207** is the 20% darker color. If you saturate the color by 10%, you get **52.2162, 0.3198, 0.4319**, and if you desaturate by 10%, it is **57.0032, 0.3163, 0.3702**.

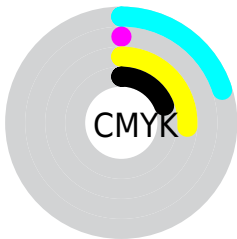
# Distribution



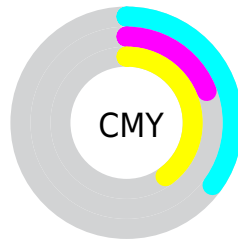
- Red (65%)
- Green (81%)
- Blue (60%)



- Red (60%)
- Yellow (81%)
- Blue (76%)



- Cyan (20%)
- Magenta (0%)
- Yellow (26%)
- Black (19%)




- Cyan (35%)
- Magenta (19%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.4419, 0.3183, 0.3999 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 54.4419, 0.3183, 0.3999 by changing the saturation by 10% instead.




 54.4419, 0.3183,  
0.3999


 54.4419, 0.3183,  
0.3999


403.7929, 0.3163,  
0.3640

 38.9551, 0.3185,  
0.4089


 96.7228, 0.3178,  
0.3868

 26.7248, 0.3187,  
0.4206


 124.2856, 0.3175,  
0.3819

 17.3666, 0.3185,  
0.4361


156.6425, 0.3173,  
0.3778

 10.4962, 0.3179,  
0.4578

194.1780, 0.3171,  
0.3742

 5.7292, 0.3157,  
0.4901

237.2764, 0.3169,  
0.3712

 2.6811, 0.3104,  
0.5445

286.3220, 0.3167,

 0.9676, 0.2629,

0.3685

0.7371

341.6994, 0.3165,  
0.3661

0.0000, 0.0000,  
0.0000

54.4419, 0.3183,  
0.3999

54.4419, 0.3183,  
0.3999

52.2162, 0.3198,  
0.4319

57.0032, 0.3163,  
0.3702

50.3052, 0.3206,  
0.4652

59.9061, 0.3141,  
0.3432

48.6964, 0.3206,  
0.4984

63.1653, 0.3117,  
0.3191

47.3737, 0.3194,  
0.5294

66.7924, 0.3093,  
0.2978

46.3193, 0.3171,  
0.5561

70.7332, 0.3076,  
0.2800

■ 45.5133, 0.3138,  
0.5765

■ 72.6285, 0.3150,  
0.2811

■ 44.9325, 0.3097,  
0.5895

■ 44.7404, 0.3081,  
0.5936

# Harmonies

## Analogous

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



54.4419, 0.3594, 0.4051



54.4419, 0.3183, 0.3999



54.4419, 0.2775, 0.3709

# Triad

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



54.4419, 0.3183, 0.3999



54.4419, 0.2404, 0.2671



54.4419, 0.3819, 0.3230

# Complementary

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



54.4419, 0.3183, 0.3999



38.7184, 0.3047, 0.2633

# 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.



54.4419, 0.3460, 0.2916



54.4419, 0.3183, 0.3999



54.4419, 0.2644, 0.2600

# Square

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



54.4419, 0.3183, 0.3999



54.4419, 0.2344, 0.2913



54.4419, 0.3024, 0.2691



54.4419, 0.3979, 0.3575



# Rectangle

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



54.4419, 0.3183, 0.3999



54.4419, 0.2557, 0.3436



54.4419, 0.3024, 0.2691



54.4419, 0.3716, 0.3119

# Sweetspot

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



54.4442, 0.3183, 0.3999



95.8810, 0.3146, 0.3493



53.8492, 0.3547, 0.3788



20.3657, 0.3150, 0.3533



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

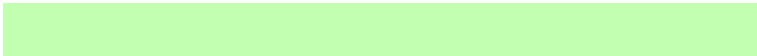


# Same Dimension

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



54.4442, 0.3183, 0.3999



86.0932, 0.3192, 0.4178



53.7168, 0.3000, 0.3818



12.6570, 0.3149, 0.3527



27.5822, 0.3089, 0.5930



1.4579, 0.3229, 0.5818



# Inverse Universe

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



38.7184, 0.3047, 0.2633



56.2844, 0.3024, 0.2483



39.7089, 0.3285, 0.2815



11.2712, 0.3102, 0.3059



7.3611, 0.2648, 0.1233



0.4119, 0.2763, 0.1296



# Previews

## White Background



This preview shows how the Yxy color 54.4419, 0.3183, 0.3999 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 54.4419, 0.3183, 0.3999 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

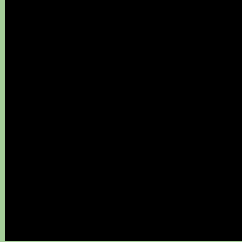
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.4419, 0.3183, 0.3999**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.4419, 0.3183, 0.3999.



This preview shows how white text looks on a background with the Yxy color 54.4419, 0.3183, 0.3999.

# 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**

54.4419, 0.3183, 0.3999

**Protanopia**

54.1316, 0.3603, 0.3851

**Deuteranopia**

54.1437, 0.3711, 0.3639



## Tritanopia

54.3572, 0.2844, 0.3091

# Trichromacy



## Original Color

54.4419, 0.3183, 0.3999

## Protanomaly

53.7966, 0.3438, 0.3899

## Deuteranomaly

53.8212, 0.3505, 0.3758

## Tritanomaly

54.2370, 0.2963, 0.3405

# Monochromacy



## Original Color

54.4419, 0.3183, 0.3999

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

51.8287, 0.3155, 0.3549

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.4419, 0.3183, 0.3999 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(165, 206, 153)` looks like.

```
.text, #text, p{  
    color:rgb(165, 206, 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(165, 206, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 206, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 54.4419, 0.3183, 0.3999 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(165, 206, 153) }
```

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

```
.border{ border-color:rgb(165, 206, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 206, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 206, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 206, 153);  
box-shadow:4px 4px 4px 4px rgb(165, 206,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.4419, 0.3183, 0.3999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 206, 153) }
```

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

```
.background{ background-color: rgb(165,  
206, 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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