

# Converting Colors

Yxy(51.7606, 0.3567, 0.4969)

Have a look what the booklet for  
Yxy(51.7606, 0.3567, 0.4969)  
contains.

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# Color

**Yxy(51.7606, 0.3567, 0.4969)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CCE4E
RGB	156, 206, 78
RGB Percent	61%, 81%, 31%
CMY	0.3883, 0.1921, 0.6939
CMYK	0.24, 0.00, 0.62, 0.19
HSL	83°, 57%, 56%
HSV	83°, 62%, 81%
XYZ	37.1564, 51.7606, 15.2501
YIQ	176.4580, 11.2880, -50.4080

# Conversions

## Conversions Part 2

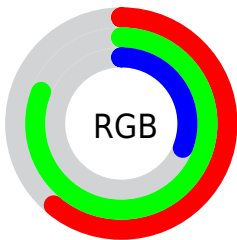
Format	Color
<a href="#">RYB</a>	<a href="#">78, 206, 128</a>
Decimal	<a href="#">10276430</a>
CIELab	<a href="#">77.14, -35.86, 56.72</a>
CIELCh	<a href="#">77, 67.102, 122.302</a>
Yxy	<a href="#">51.7606, 0.3567, 0.4969</a>
Android (android.graphics.Color)	<a href="#">4288466510 (0xFF9CCE4E)</a>
YUV	<a href="#">176.4580, -48.5398, -17.9417</a>
Hunter-Lab	<a href="#">71.9448, -33.7160, 37.7938</a>

# Details

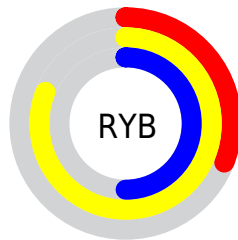
The Yxy color **51.7606, 0.3567, 0.4969** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **14.5084, 0.2342, 0.1491**, and the grayscale version is **43.9247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3321, 0.3549, 0.4600**, and **24.9436, 0.3596, 0.5422** is the 20% darker color. If you saturate the color by 10%, you get **50.7351, 0.3587, 0.5196**, and if you desaturate by 10%, it is **52.9365, 0.3525, 0.4709**.

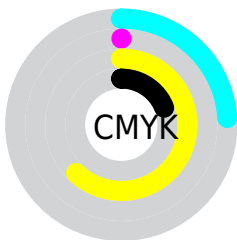
# Distribution



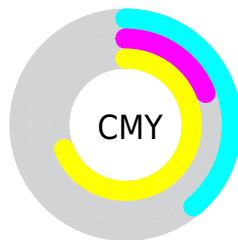
- Red (61%)
- Green (81%)
- Blue (31%)



- Red (31%)
- Yellow (81%)
- Blue (50%)



- Cyan (24%)
- Magenta (0%)
- Yellow (62%)
- Black (19%)




- Cyan (39%)
- Magenta (19%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7606, 0.3567, 0.4969 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 51.7606, 0.3567, 0.4969 by changing the saturation by 10% instead.





 51.7606, 0.3567,  
0.4969


 51.7606, 0.3567,  
0.4969


393.5117, 0.3405,  
0.4119


 36.8143, 0.3584,  
0.5173


 92.7781, 0.3525,  
0.4664

 25.0637, 0.3590,  
0.5426


 119.6180, 0.3504,  
0.4547

 16.1245, 0.3572,  
0.5741


 151.1913, 0.3484,  
0.4449

 9.6123, 0.3513,  
0.6160

 187.8824, 0.3466,  
0.4364

 5.1427, 0.3332,  
0.6668

 230.0755, 0.3449,  
0.4290

 2.3312, 0.2854,  
0.7146

278.1552, 0.3433,

 0.7902, 0.0000,

0.4226

1.0000

332.5058, 0.3418,  
0.4169

■ 0.0000, 0.0000,  
0.0000

■ 51.7606, 0.3567,  
0.4969

■ 51.7606, 0.3567,  
0.4969

■ 50.7351, 0.3587,  
0.5196

■ 52.9365, 0.3525,  
0.4709

■ 49.8431, 0.3583,  
0.5380

■ 54.2648, 0.3466,  
0.4430

■ 49.0752, 0.3555,  
0.5512

■ 55.7556, 0.3394,  
0.4145

■ 48.5410, 0.3521,  
0.5586

■ 57.4164, 0.3314,  
0.3863

■ 59.2539, 0.3230,  
0.3594

■ 61.2744, 0.3145,  
0.3341

■ 63.4840, 0.3062,  
0.3108

■ 65.8884, 0.2982,  
0.2895

■ 67.9359, 0.2960,  
0.2783

# Harmonies

## Analogous

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



51.7606, 0.4339, 0.4658



51.7606, 0.3567, 0.4969



51.7606, 0.2725, 0.4635

# Triad

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



51.7606, 0.3567, 0.4969



51.7606, 0.1641, 0.2200



51.7606, 0.4261, 0.2820

# Complementary

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



51.7606, 0.3567, 0.4969



14.5084, 0.2342, 0.1491

# 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.



51.7606, 0.3350, 0.2330



51.7606, 0.3567, 0.4969



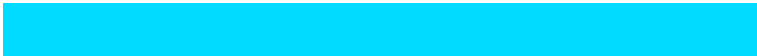
51.7606, 0.1912, 0.1972

# Square

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



51.7606, 0.3567, 0.4969



51.7606, 0.1674, 0.2782



51.7606, 0.2494, 0.2030



51.7606, 0.4834, 0.3421



# Rectangle

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



51.7606, 0.3567, 0.4969



51.7606, 0.2237, 0.4052



51.7606, 0.2494, 0.2030



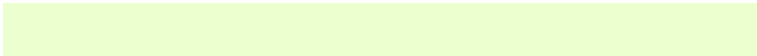
51.7606, 0.3975, 0.2640

# Sweetspot

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



51.7629, 0.3567, 0.4969



93.8461, 0.3290, 0.3784



28.8791, 0.4635, 0.3887



19.9088, 0.3314, 0.3864



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.



51.7629, 0.3567, 0.4969



81.6188, 0.3589, 0.5272



47.0226, 0.3114, 0.5236



12.8693, 0.3206, 0.3523



29.9456, 0.3531, 0.5579



1.5880, 0.3660, 0.5476



# Inverse Universe

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



14.5084, 0.2342, 0.1491



16.3060, 0.2130, 0.1141



20.9999, 0.3025, 0.1795



11.0543, 0.3042, 0.3055



3.8609, 0.1838, 0.0786



0.2427, 0.2064, 0.0911



# Previews

## White Background



This preview shows how the Yxy color 51.7606, 0.3567, 0.4969 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 51.7606, 0.3567, 0.4969 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

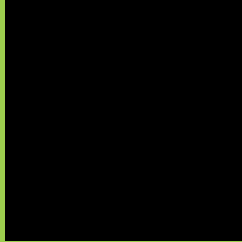
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.7606, 0.3567, 0.4969**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.7606, 0.3567, 0.4969.



This preview shows how white text looks on a background with the Yxy color 51.7606, 0.3567, 0.4969.

# 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

51.7606, 0.3567, 0.4969

### Protanopia

51.3050, 0.4183, 0.4588

### Deuteranopia

51.3818, 0.4379, 0.4289



## Tritanopia

51.5782, 0.2866, 0.3100

# Trichromacy



**Original Color**

51.7606, 0.3567, 0.4969

**Protanomaly**

51.1943, 0.3950, 0.4730

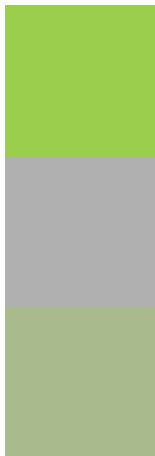
**Deuteranomaly**

50.5733, 0.4072, 0.4534

**Tritanomaly**

51.1769, 0.3151, 0.3788

# Monochromacy



**Original Color**

51.7606, 0.3567, 0.4969

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

45.8691, 0.3340, 0.3942

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.7606, 0.3567, 0.4969 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(156, 206, 78)` looks like.

```
.text, #text, p{  
    color:rgb(156, 206, 78)  
}
```

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(156, 206, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 206, 78) }
```

## Border

The CSS property to change the border of an element to Yxy 51.7606, 0.3567, 0.4969 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(156, 206, 78) }
```

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

```
.border{ border-color:rgb(156, 206, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 206, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 206, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 206, 78);  
box-shadow:4px 4px 4px 4px rgb(156, 206,  
78) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.7606, 0.3567, 0.4969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 206, 78) }
```

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

```
.background{ background-color: rgb(156,  
206, 78) }
```

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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