

# Converting Colors

$Yxy(51.0397, 0.3577, 0.5249)$

Have a look what the booklet for  
Yxy(51.0397, 0.3577, 0.5249)  
contains.

<b>Yxy(50.9937, 0.3582, 0.5247)</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(50.9937, 0.3582, 0.5247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92CF35
RGB	146, 207, 53
RGB Percent	57%, 81%, 21%
CMY	0.4274, 0.1882, 0.7920
CMYK	0.29, 0.00, 0.74, 0.19
HSL	84°, 62%, 51%
HSV	84°, 74%, 81%
XYZ	34.8122, 50.9937, 11.3805
YIQ	171.2050, 13.0780, -60.8260

# Conversions

## Conversions Part 2

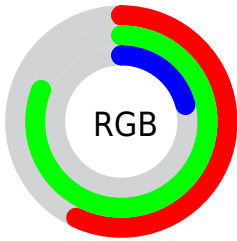
Format	Color
<a href="#">RYB</a>	<a href="#">53, 207, 114</a>
Decimal	<a href="#">9621301</a>
CIELab	<a href="#">76.68, -41.72, 65.57</a>
CIELCh	<a href="#">77, 77.722, 122.467</a>
Yxy	<a href="#">50.9937, 0.3582, 0.5247</a>
Android (android.graphics.Color)	<a href="#">4287811381</a> ( <a href="#">0xFF92CF35</a> )
YUV	<a href="#">171.2050, -58.2751, -22.1048</a>
Hunter-Lab	<a href="#">71.4099, -37.9489, 40.5379</a>

# Details

The Yxy color **50.9937, 0.3582, 0.5247** 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 **10.6345, 0.2160, 0.1179**, and the grayscale version is **41.1318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4832, 0.3589, 0.4833**, and **24.5803, 0.3499, 0.5604** is the 20% darker color. If you saturate the color by 10%, you get **50.1198, 0.3572, 0.5420**, and if you desaturate by 10%, it is **52.0082, 0.3568, 0.5028**.

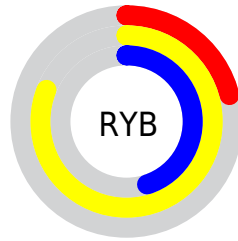
# Distribution



Red (57%)

Green (81%)

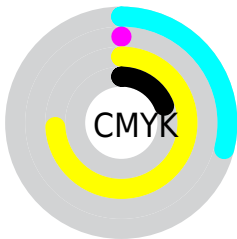
Blue (21%)



Red (21%)

Yellow (81%)

Blue (45%)

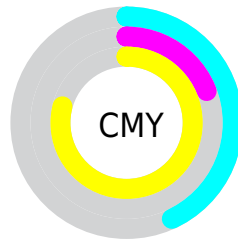


Cyan (29%)

Magenta (0%)

Yellow (74%)

Black (19%)



Cyan (43%)

Magenta (19%)


Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9937, 0.3582, 0.5247 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 50.9937, 0.3582, 0.5247 by changing the saturation by 10% instead.





 50.9937, 0.3582,  
0.5247

 50.9937, 0.3582,  
0.5247

390.5393, 0.3438,  
0.4259


 36.2036, 0.3583,  
0.5478


 91.6455, 0.3554,  
0.4896

 24.5915, 0.3564,  
0.5757


 118.2759, 0.3536,  
0.4761


 15.7730, 0.3502,  
0.6095


 149.6219, 0.3518,  
0.4646

 9.3636, 0.3408,  
0.6592

 186.0679, 0.3500,  
0.4547

 4.9791, 0.3052,  
0.6948

 227.9982, 0.3483,  
0.4461

 2.2350, 0.2478,  
0.7522

275.7973, 0.3467,

 0.7390, 0.0000,

0.4385

1.0000

329.8495, 0.3452,  
0.4319

■ 0.0000, 0.0000,  
0.0000

■ 50.9937, 0.3582,  
0.5247

■ 50.9937, 0.3582,  
0.5247

■ 50.1198, 0.3572,  
0.5420

■ 52.0082, 0.3568,  
0.5028

■ 49.3673, 0.3538,  
0.5541

■ 53.1671, 0.3532,  
0.4773

■ 48.9864, 0.3513,  
0.5593

■ 54.4819, 0.3477,  
0.4496

■ 55.9608, 0.3408,  
0.4211

■ 57.6114, 0.3330,  
0.3927

■ 59.4407, 0.3248,  
0.3654

■ 61.4553, 0.3164,  
0.3397

■ 63.6614, 0.3081,  
0.3159

■ 66.0649, 0.3001,  
0.2942

# Harmonies

## Analogous

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



50.9937, 0.4467, 0.4820



50.9937, 0.3582, 0.5247



50.9937, 0.2632, 0.4888

# Triad

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



50.9937, 0.3582, 0.5247



50.9937, 0.1459, 0.2037



50.9937, 0.4447, 0.2746

# Complementary

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



50.9937, 0.3582, 0.5247



10.6345, 0.2160, 0.1179

# 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.



50.9937, 0.3380, 0.2206



50.9937, 0.3582, 0.5247



50.9937, 0.1757, 0.1803

# Square

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



50.9937, 0.3582, 0.5247



50.9937, 0.1484, 0.2675



50.9937, 0.2400, 0.1874



50.9937, 0.5103, 0.3403



# Rectangle

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



50.9937, 0.3582, 0.5247



50.9937, 0.2088, 0.4178



50.9937, 0.2400, 0.1874



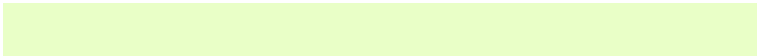
50.9937, 0.4111, 0.2548

# Sweetspot

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



50.9959, 0.3582, 0.5247



92.9251, 0.3313, 0.3868



25.1245, 0.5041, 0.3936



19.7248, 0.3335, 0.3945



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.



50.9959, 0.3582, 0.5247



79.6142, 0.3555, 0.5495



46.2234, 0.3089, 0.5587



13.5543, 0.3206, 0.3524



30.9195, 0.3522, 0.5586



1.7742, 0.3644, 0.5488



# Inverse Universe

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



10.6345, 0.2160, 0.1179



11.9009, 0.1944, 0.0892



17.8790, 0.2991, 0.1595



11.6428, 0.3043, 0.3054



4.0199, 0.1845, 0.0790



0.2703, 0.2056, 0.0906



# Previews

## White Background



This preview shows how the Yxy color 50.9937, 0.3582, 0.5247 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 50.9937, 0.3582, 0.5247 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

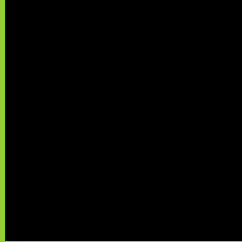
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.9937, 0.3582, 0.5247**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.9937, 0.3582, 0.5247.



This preview shows how white text looks on a background with the Yxy color 50.9937, 0.3582, 0.5247.

# 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

50.9937, 0.3582, 0.5247

### Protanopia

50.6056, 0.4303, 0.4746

### Deuteranopia

50.2840, 0.4518, 0.4426



## Tritanopia

50.6933, 0.2808, 0.3097

# Trichromacy



## Original Color

50.9937, 0.3582, 0.5247

## Protanomaly

50.4015, 0.4023, 0.4939

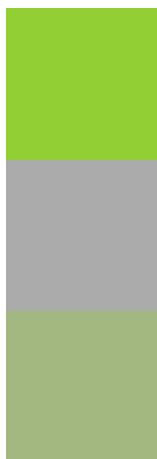
## Deuteranomaly

49.4286, 0.4169, 0.4719

## Tritanomaly

49.9243, 0.3144, 0.3927

# Monochromacy



## Original Color

50.9937, 0.3582, 0.5247

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

43.5209, 0.3378, 0.4091

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.9937, 0.3582, 0.5247 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(146, 207, 53)` looks like.

```
.text, #text, p{  
    color:rgb(146, 207, 53)  
}
```

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(146, 207, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 207, 53) }
```

## Border

The CSS property to change the border of an element to Yxy 50.9937, 0.3582, 0.5247 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(146, 207, 53) }
```

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

```
.border{ border-color:rgb(146, 207, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 207, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 207, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 207, 53);  
box-shadow:4px 4px 4px 4px rgb(146, 207,  
53) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.9937, 0.3582, 0.5247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 207, 53) }
```

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

```
.background{ background-color: rgb(146,  
207, 53) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor