

# Converting Colors

Yxy(51.8652, 0.2969, 0.5487)

Have a look what the booklet for  
Yxy(51.8652, 0.2969, 0.5487)  
contains.

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# Color

**Yxy(51.9717, 0.2968, 0.5483)**

# Conversions

## Conversions Part 1

Format	Color
Hex	38DB48
RGB	56, 219, 72
RGB Percent	22%, 86%, 28%
CMY	0.7804, 0.1412, 0.7176
CMYK	0.74, 0.00, 0.67, 0.14
HSL	126°, 69%, 54%
HSV	126°, 74%, 86%
XYZ	28.1328, 51.9717, 14.6825
YIQ	153.5050, -49.9610, -80.2730

# Conversions

## Conversions Part 2

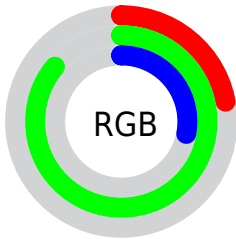
Format	Color
<a href="#">RYB</a>	<a href="#">56, 204, 219</a>
Decimal	<a href="#">3726152</a>
CIELab	<a href="#">77.26, -68.78, 58.24</a>
CIELCh	<a href="#">77, 90.127, 139.744</a>
Yxy	<a href="#">51.9717, 0.2968, 0.5483</a>
Android (android.graphics.Color)	<a href="#">4281916232 (0xFF38DB48)</a>
YUV	<a href="#">153.5050, -40.1820, -85.5119</a>
Hunter-Lab	<a href="#">72.0914, -56.5025, 38.3887</a>

# Details

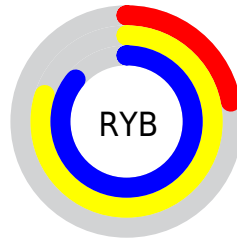
The Yxy color **51.9717, 0.2968, 0.5483** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **22.2008, 0.3388, 0.1817**, and the grayscale version is **32.2849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5643, 0.3052, 0.4896**, and **25.8429, 0.2999, 0.5995** is the 20% darker color. If you saturate the color by 10%, you get **51.2570, 0.2969, 0.5717**, and if you desaturate by 10%, it is **53.0492, 0.2975, 0.5193**.

# Distribution



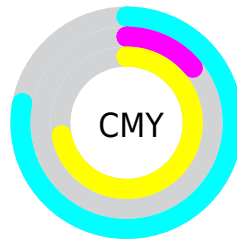
- Red (22%)
- Green (86%)
- Blue (28%)



- Red (22%)
- Yellow (80%)
- Blue (86%)



- Cyan (74%)
- Magenta (0%)
- Yellow (67%)
- Black (14%)




- Cyan (78%)
- Magenta (14%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9717, 0.2968, 0.5483 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 51.9717, 0.2968, 0.5483 by changing the saturation by 10% instead.





 51.9717, 0.2968,  
0.5483


 51.9717, 0.2968,  
0.5483


394.3273, 0.3125,  
0.4321

 36.9825, 0.2901,  
0.5778


 93.0895, 0.3045,  
0.5053


 25.1940, 0.2799,  
0.6153


 119.9869, 0.3068,  
0.4893


 16.2216, 0.2636,  
0.6633


 151.6225, 0.3085,  
0.4759

 9.6811, 0.2384,  
0.7299

 188.3807, 0.3098,  
0.4645

 5.1880, 0.1929,  
0.8071

 230.6459, 0.3107,  
0.4547

 2.3580, 0.0551,  
0.9449

278.8025, 0.3115,

 0.8042, 0.0000,

0.4462

1.0000

333.2348, 0.3121,  
0.4387

■ 0.0000, 0.0000,  
0.0000

■ 51.9717, 0.2968,  
0.5483

■ 51.9717, 0.2968,  
0.5483

■ 51.2570, 0.2969,  
0.5717

■ 53.0492, 0.2975,  
0.5193

■ 50.8516, 0.2979,  
0.5881


■ 54.5222, 0.2990,  
0.4871


■ 50.7208, 0.2984,  
0.5941


■ 56.4269, 0.3010,  
0.4538


■ 58.7937, 0.3035,  
0.4213

■ 61.6500, 0.3062,  
0.3909

 65.0213, 0.3089,  
0.3634

 68.9313, 0.3116,  
0.3389

 73.4022, 0.3141,  
0.3174

 78.4549, 0.3165,  
0.2988

# Harmonies

## Analogous

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



51.9717, 0.4023, 0.5361



51.9717, 0.2968, 0.5483



51.9717, 0.2005, 0.4456

# Triad

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



51.9717, 0.2968, 0.5483



51.9717, 0.1424, 0.1693



51.9717, 0.5165, 0.3060

# Complementary

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



51.9717, 0.2968, 0.5483



22.2008, 0.3388, 0.1817

# 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.



51.9717, 0.4138, 0.2394



51.9717, 0.2968, 0.5483



51.9717, 0.1951, 0.1649

# Square

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



51.9717, 0.2968, 0.5483



51.9717, 0.1248, 0.2099



51.9717, 0.2892, 0.1894



51.9717, 0.5423, 0.3802



# Rectangle

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



51.9717, 0.2968, 0.5483



51.9717, 0.1561, 0.3474



51.9717, 0.2892, 0.1894



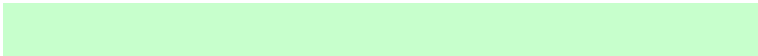
51.9717, 0.4891, 0.2827

# Sweetspot

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



51.9739, 0.2968, 0.5483



88.0279, 0.3068, 0.3845



63.9893, 0.3989, 0.4971



18.5809, 0.3060, 0.3924



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.



51.9739, 0.2968, 0.5483



72.0009, 0.2974, 0.5814



53.7429, 0.2620, 0.4325



14.6269, 0.3102, 0.3507



30.0814, 0.2980, 0.5928



1.9561, 0.2928, 0.5739



# Inverse Universe

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



22.2008, 0.3388, 0.1817



27.9590, 0.3443, 0.1709



19.3428, 0.4594, 0.2594



13.2516, 0.3153, 0.3082



11.3425, 0.3472, 0.1686

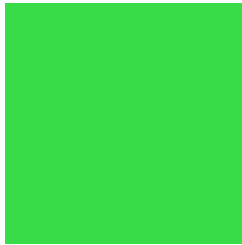


0.7414, 0.3424, 0.1660



# Previews

## White Background



This preview shows how the Yxy color 51.9717, 0.2968, 0.5483 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 51.9717, 0.2968, 0.5483 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 51.9717, 0.2968, 0.5483**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.9717, 0.2968, 0.5483.

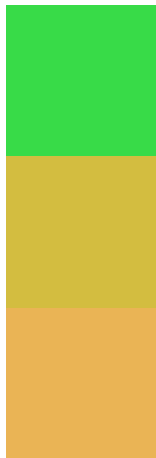


This preview shows how white text looks on a background with the Yxy color 51.9717, 0.2968, 0.5483.

# 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

51.9717, 0.2968, 0.5483

### Protanopia

50.6142, 0.4227, 0.4652

### Deuteranopia

50.7908, 0.4385, 0.4292



## Tritanopia

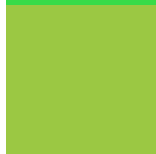
51.7079, 0.2398, 0.3072

# Trichromacy



**Original Color**

51.9717, 0.2968, 0.5483



**Protanomaly**

48.6824, 0.3638, 0.5033



**Deuteranomaly**

47.5978, 0.3728, 0.4783



**Tritanomaly**

50.8145, 0.2614, 0.3934

# Monochromacy



**Original Color**

51.9717, 0.2968, 0.5483



**Achromatopsia**

32.3143, 0.3127, 0.3290



**Achromatomaly**

37.1476, 0.3037, 0.4174

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.9717, 0.2968, 0.5483 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(56, 219, 72)` looks like.

```
.text, #text, p{  
    color:rgb(56, 219, 72)  
}
```

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(56, 219, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 219, 72) }
```

## Border

The CSS property to change the border of an element to Yxy 51.9717, 0.2968, 0.5483 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(56, 219, 72) }
```

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

```
.border{ border-color:rgb(56, 219, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 219, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 219, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 219, 72);  
box-shadow:4px 4px 4px 4px rgb(56, 219,  
72) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.9717, 0.2968, 0.5483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 219, 72) }
```

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

```
.background{ background-color: rgb(56, 219,  
72) }
```

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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