

# Converting Colors

Yxy(51.9961, 0.3121, 0.5454)

Have a look what the booklet for  
Yxy(51.9961, 0.3121, 0.5454)  
contains.

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# Color

**Yxy(52.0938, 0.3121, 0.5452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58D942
RGB	88, 217, 66
RGB Percent	35%, 85%, 26%
CMY	0.6549, 0.1490, 0.7412
CMYK	0.59, 0.00, 0.70, 0.15
HSL	111°, 67%, 55%
HSV	111°, 70%, 85%
XYZ	29.8211, 52.0938, 13.6350
YIQ	161.2150, -28.4130, -74.3090

# Conversions

## Conversions Part 2

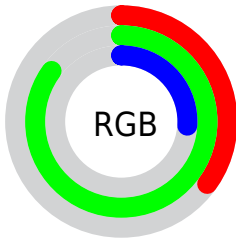
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 217, 195
Decimal	5822786
CIELab	77.34, -62.56, 60.87
CIELCh	77, 87.283, 135.786
Yxy	52.0938, 0.3121, 0.5452
Android (android.graphics.Color)	4284012866 (0xFF58D942)
YUV	161.2150, -46.9410, -64.2096
Hunter-Lab	72.1760, -52.5568, 39.3226

# Details

The Yxy color **52.0938, 0.3121, 0.5452** 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 **20.5044, 0.2955, 0.1639**, and the grayscale version is **35.9802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3845, 0.3200, 0.4905**, and **25.4897, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **51.0942, 0.3096, 0.5698**, and if you desaturate by 10%, it is **53.4247, 0.3139, 0.5149**.

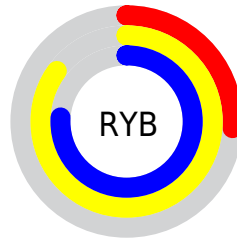
# Distribution



Red (35%)

Green (85%)

Blue (26%)



Red (26%)

Yellow (85%)

Blue (76%)

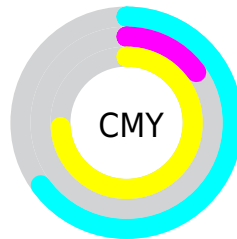


Cyan (59%)

Magenta (0%)

Yellow (70%)

Black (15%)



Cyan (65%)

Magenta (15%)


Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0938, 0.3121, 0.5452 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 52.0938, 0.3121, 0.5452 by changing the saturation by 10% instead.





 52.0938, 0.3121,  
0.5452

 52.0938, 0.3121,  
0.5452


394.7986, 0.3205,  
0.4319


 37.0798, 0.3070,  
0.5734


 93.2696, 0.3173,  
0.5037


 25.2693, 0.2986,  
0.6089


 120.2002, 0.3187,  
0.4881


 16.2778, 0.2846,  
0.6537


 151.8718, 0.3195,  
0.4750

 9.7210, 0.2634,  
0.7185

 188.6688, 0.3200,  
0.4638

 5.2143, 0.2185,  
0.7815

 230.9755, 0.3203,  
0.4541

 2.3736, 0.1112,  
0.8888

279.1765, 0.3205,

 0.8122, 0.0000,

0.4458

1.0000

333.6561, 0.3205,  
0.4384

■ 0.0000, 0.0000,  
0.0000

■ 52.0938, 0.3121,  
0.5452

■ 52.0938, 0.3121,  
0.5452

■ 51.0942, 0.3096,  
0.5698

■ 53.4247, 0.3139,  
0.5149

■ 50.3900, 0.3067,  
0.5870

■ 55.1062, 0.3150,  
0.4813

■ 49.9431, 0.3038,  
0.5967

■ 57.1636, 0.3154,  
0.4468

■ 49.9290, 0.3037,  
0.5971


■ 59.6180, 0.3153,  
0.4133

■ 62.4889, 0.3147,  
0.3819

 65.7947, 0.3138,  
0.3534

 69.5524, 0.3127,  
0.3280

 73.7782, 0.3115,  
0.3057

 78.0758, 0.3143,  
0.2920

# Harmonies

## Analogous

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



52.0938, 0.4144, 0.5233



52.0938, 0.3121, 0.5452



52.0938, 0.2150, 0.4593

# Triad

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



52.0938, 0.3121, 0.5452



52.0938, 0.1421, 0.1762



52.0938, 0.5006, 0.2982

# Complementary

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



52.0938, 0.3121, 0.5452



20.5044, 0.2955, 0.1639

# 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.



52.0938, 0.3947, 0.2342



52.0938, 0.3121, 0.5452



52.0938, 0.1892, 0.1676

# Square

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



52.0938, 0.3121, 0.5452



52.0938, 0.1292, 0.2224



52.0938, 0.2758, 0.1881



52.0938, 0.5374, 0.3705



# Rectangle

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



52.0938, 0.3121, 0.5452



52.0938, 0.1675, 0.3655



52.0938, 0.2758, 0.1881



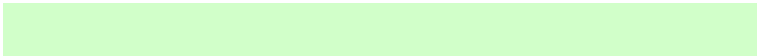
52.0938, 0.4709, 0.2756

# Sweetspot

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



52.0960, 0.3121, 0.5452



89.3514, 0.3148, 0.3868



53.8855, 0.4228, 0.4652



18.8708, 0.3150, 0.3954



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.



52.0960, 0.3121, 0.5452



73.0579, 0.3081, 0.5797



52.1135, 0.2804, 0.4810



14.6969, 0.3137, 0.3530



30.2511, 0.3043, 0.5966



1.9894, 0.3132, 0.5895



# Inverse Universe

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



20.5044, 0.2955, 0.1639



24.6014, 0.2897, 0.1440



21.3330, 0.3885, 0.2223



13.1736, 0.3115, 0.3058



9.3390, 0.2845, 0.1341

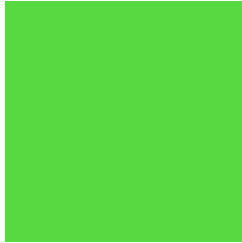


0.6318, 0.2908, 0.1375



# Previews

## White Background



This preview shows how the Yxy color 52.0938, 0.3121, 0.5452 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 52.0938, 0.3121, 0.5452 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 52.0938, 0.3121, 0.5452**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.0938, 0.3121, 0.5452.

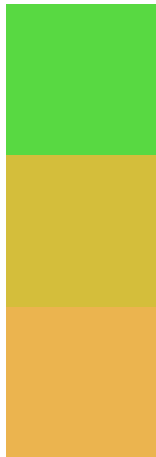


This preview shows how white text looks on a background with the Yxy color 52.0938, 0.3121, 0.5452.

# 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

52.0938, 0.3121, 0.5452

### Protanopia

51.1397, 0.4250, 0.4689

### Deuteranopia

50.8692, 0.4431, 0.4335



## Tritanopia

51.8913, 0.2491, 0.3075

# Trichromacy



## Original Color

52.0938, 0.3121, 0.5452



## Protanomaly

49.8718, 0.3763, 0.5010



## Deuteranomaly

48.5794, 0.3884, 0.4765



## Tritanomaly

51.0073, 0.2748, 0.3951

# Monochromacy



## Original Color

52.0938, 0.3121, 0.5452



## Achromatopsia

35.6400, 0.3127, 0.3290



## Achromatomaly

39.6224, 0.3153, 0.4147

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0938, 0.3121, 0.5452 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(88, 217, 66)` looks like.

```
.text, #text, p{  
    color:rgb(88, 217, 66)  
}
```

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(88, 217, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 217, 66) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0938, 0.3121, 0.5452 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(88, 217, 66) }
```

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

```
.border{ border-color:rgb(88, 217, 66) }
```

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

Here you see how a box with a 4 pixel rgb(88, 217, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 217, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 217, 66);  
box-shadow:4px 4px 4px 4px rgb(88, 217,  
66) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0938, 0.3121, 0.5452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 217, 66) }
```

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

```
.background{ background-color: rgb(88, 217,  
66) }
```

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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