

# Converting Colors

$Yxy(57.1280, 0.3137, 0.5477)$

Have a look what the booklet for  
Yxy(57.1280, 0.3137, 0.5477)  
contains.

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# Color

**Yxy(57.1132, 0.3136, 0.5478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DE242
RGB	93, 226, 66
RGB Percent	36%, 89%, 26%
CMY	0.6352, 0.1137, 0.7413
CMYK	0.59, 0.00, 0.71, 0.11
HSL	110°, 73%, 57%
HSV	110°, 71%, 89%
XYZ	32.6957, 57.1132, 14.4503
YIQ	167.9930, -27.9080, -77.9560

# Conversions

## Conversions Part 2

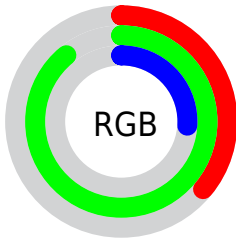
Format	Color
<a href="#">RYB</a>	66, 226, 199
Decimal	6152770
CIELab	80.24, -64.50, 63.92
CIELCh	80, 90.810, 135.260
Yxy	57.1132, 0.3136, 0.5478
Android (android.graphics.Color)	4284342850 (0xFF5DE242)
YUV	167.9930, -50.2825, -65.7689
Hunter-Lab	75.5733, -55.0278, 41.5645

# Details

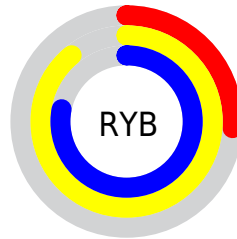
The Yxy color **57.1132, 0.3136, 0.5478** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **21.5192, 0.2910, 0.1597**, and the grayscale version is **39.4202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9931, 0.3230, 0.4877**, and **28.3759, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.0368, 0.3109, 0.5715**, and if you desaturate by 10%, it is **58.5402, 0.3155, 0.5182**.

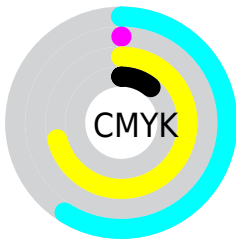
# Distribution



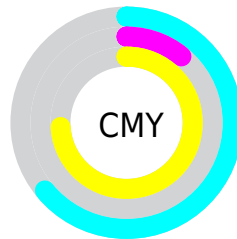
- Red (36%)
- Green (89%)
- Blue (26%)



- Red (26%)
- Yellow (89%)
- Blue (78%)



- Cyan (59%)
- Magenta (0%)
- Yellow (71%)
- Black (11%)




- Cyan (64%)
- Magenta (11%)
- Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1132, 0.3136, 0.5478 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 57.1132, 0.3136, 0.5478 by changing the saturation by 10% instead.




 57.1132, 0.3136,  
0.5478


 57.1132, 0.3136,  
0.5478


413.8733, 0.3216,  
0.4350


 41.0961, 0.3087,  
0.5753

 100.6303, 0.3187,  
0.5069


 28.3942, 0.3007,  
0.6093


 128.8992, 0.3199,  
0.4915


 18.6230, 0.2874,  
0.6520


 162.0208, 0.3207,  
0.4784

 11.3982, 0.2666,  
0.7096

 200.3795, 0.3212,  
0.4672

 6.3353, 0.2273,  
0.7727

 244.3597, 0.3215,  
0.4575

 3.0500, 0.1540,  
0.8460

294.3458, 0.3216,

 1.1579, 0.0000,

0.4490

1.0000

350.7222, 0.3216,  
0.4416

■ 0.0269, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.1132, 0.3136,  
0.5478

■ 57.1132, 0.3136,  
0.5478

■ 56.0368, 0.3109,  
0.5715

■ 58.5402, 0.3155,  
0.5182


■ 55.2727, 0.3076,  
0.5877


■ 60.3379, 0.3166,  
0.4851


■ 54.8098, 0.3047,  
0.5963


■ 62.5331, 0.3168,  
0.4508


■ 65.1479, 0.3164,  
0.4172

 68.2031, 0.3155,  
0.3856

 71.7177, 0.3143,  
0.3568

 75.7101, 0.3128,  
0.3310

 80.1971, 0.3113,  
0.3082

 82.8737, 0.3140,  
0.3009

# Harmonies

## Analogous

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



57.1132, 0.4165, 0.5236



57.1132, 0.3136, 0.5478



57.1132, 0.2156, 0.4630

# Triad

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



57.1132, 0.3136, 0.5478



57.1132, 0.1406, 0.1756



57.1132, 0.5009, 0.2966

# Complementary

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



57.1132, 0.3136, 0.5478



21.5192, 0.2910, 0.1597

# 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.



57.1132, 0.3932, 0.2325



57.1132, 0.3136, 0.5478



57.1132, 0.1871, 0.1664

# Square

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



57.1132, 0.3136, 0.5478



57.1132, 0.1281, 0.2226



57.1132, 0.2736, 0.1866



57.1132, 0.5392, 0.3690



# Rectangle

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



57.1132, 0.3136, 0.5478



57.1132, 0.1674, 0.3682



57.1132, 0.2736, 0.1866



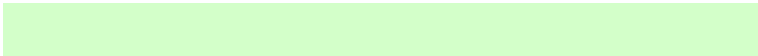
57.1132, 0.4705, 0.2739

# Sweetspot

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



57.1156, 0.3136, 0.5478



89.5340, 0.3156, 0.3866



56.3420, 0.4287, 0.4624



18.9134, 0.3159, 0.3952



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.



57.1156, 0.3136, 0.5478



73.1533, 0.3094, 0.5802



56.8272, 0.2827, 0.4923



15.4480, 0.3141, 0.3531



31.3033, 0.3053, 0.5958



2.2038, 0.3145, 0.5884



# Inverse Universe

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



21.5192, 0.2910, 0.1597



23.5819, 0.2844, 0.1404



23.1706, 0.3829, 0.2160



13.8123, 0.3111, 0.3057



9.2620, 0.2786, 0.1309

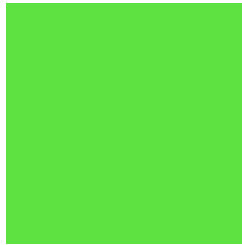


0.6734, 0.2855, 0.1347



# Previews

## White Background



This preview shows how the Yxy color 57.1132, 0.3136, 0.5478 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 57.1132, 0.3136, 0.5478 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

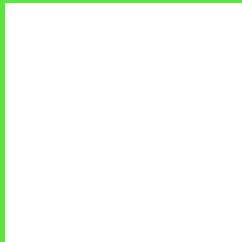
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.1132, 0.3136, 0.5478**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.1132, 0.3136, 0.5478.

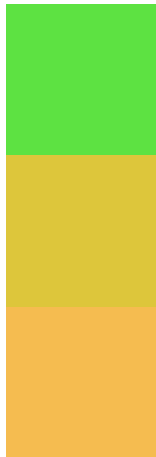


This preview shows how white text looks on a background with the Yxy color 57.1132, 0.3136, 0.5478.

# 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

57.1132, 0.3136, 0.5478

### Protanopia

56.0761, 0.4263, 0.4706

### Deuteranopia

55.9581, 0.4445, 0.4357



## Tritanopia

56.7020, 0.2494, 0.3070

# Trichromacy



## Original Color

57.1132, 0.3136, 0.5478



## Protanomaly

54.4582, 0.3776, 0.5031



## Deuteranomaly

53.6962, 0.3894, 0.4792



## Tritanomaly

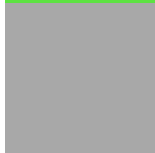
55.6211, 0.2758, 0.3955

# Monochromacy



## Original Color

57.1132, 0.3136, 0.5478



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

43.6966, 0.3166, 0.4156

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.1132, 0.3136, 0.5478 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(93, 226, 66)` looks like.

```
.text, #text, p{  
    color:rgb(93, 226, 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(93, 226, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 226, 66) }
```

## Border

The CSS property to change the border of an element to Yxy 57.1132, 0.3136, 0.5478 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(93, 226, 66) }
```

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

```
.border{ border-color:rgb(93, 226, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 226, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 226, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 226, 66);  
box-shadow:4px 4px 4px 4px rgb(93, 226,  
66) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.1132, 0.3136, 0.5478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 226, 66) }
```

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

```
.background{ background-color: rgb(93, 226,  
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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