

# Converting Colors

$Y_{xy}(57.5272, 0.3201, 0.5651)$

Have a look what the booklet for  
Yxy(57.5272, 0.3201, 0.5651)  
contains.

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# Color

**Yxy(57.5455, 0.3203, 0.5650)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FE32B
RGB	95, 227, 43
RGB Percent	37%, 89%, 17%
CMY	0.6276, 0.1098, 0.8310
CMYK	0.58, 0.00, 0.81, 0.11
HSL	103°, 77%, 53%
HSV	103°, 81%, 89%
XYZ	32.6227, 57.5455, 11.6822
YIQ	166.5560, -19.6080, -85.2080

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 227, 175
Decimal	6284075
CIELab	80.49, -65.81, 71.32
CIElCh	80, 97.042, 132.699
Yxy	57.5455, 0.3203, 0.5650
Android (android.graphics.Color)	4284474155 (0xFF5FE32B)
YUV	166.5560, -60.9131, -62.7546
Hunter-Lab	75.8588, -55.9897, 43.9705

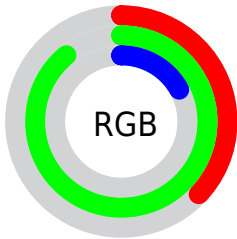
# Details

The Yxy color **57.5455, 0.3203, 0.5650** is a dark color, and the websafe version is hex **33CC00**.

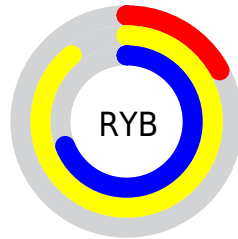
The color can be described as dark washed green. A complement of this color would be **16.4125, 0.2638, 0.1334**, and the grayscale version is **38.7266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8090, 0.3312, 0.5044**, and **28.7495, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.6417, 0.3161, 0.5814**, and if you desaturate by 10%, it is **58.7294, 0.3233, 0.5419**.

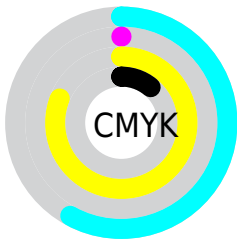
# Distribution



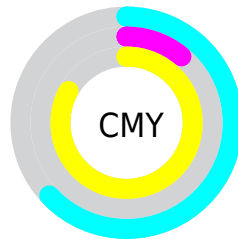
- Red (37%)
- Green (89%)
- Blue (17%)



- Red (17%)
- Yellow (89%)
- Blue (69%)



- Cyan (58%)
- Magenta (0%)
- Yellow (81%)
- Black (11%)




- Cyan (63%)
- Magenta (11%)
- Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.5455, 0.3203, 0.5650 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 57.5455, 0.3203, 0.5650 by changing the saturation by 10% instead.




 57.5455, 0.3203,  
0.5650

 57.5455, 0.3203,  
0.5650


415.4902, 0.3271,  
0.4447

 41.4434, 0.3149,  
0.5933


 101.2607, 0.3255,  
0.5220

 28.6657, 0.3060,  
0.6278


 129.6426, 0.3267,  
0.5056

 18.8281, 0.2910,  
0.6697


 162.8865, 0.3273,  
0.4915

 11.5461, 0.2697,  
0.7303

 201.3768, 0.3276,  
0.4795

 6.4354, 0.2235,  
0.7765

 245.4979, 0.3276,  
0.4690

 3.1116, 0.1500,  
0.8500

 295.6343, 0.3275,

 1.1903, 0.0000,

0.4599

1.0000

352.1703, 0.3274,  
0.4518

■ 0.0537, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.5455, 0.3203,  
0.5650

■ 57.5455, 0.3203,  
0.5650

■ 56.6417, 0.3161,  
0.5814


■ 58.7294, 0.3233,  
0.5419


■ 56.0325, 0.3118,  
0.5906


■ 60.2100, 0.3248,  
0.5135


■ 62.0107, 0.3250,  
0.4818

■ 64.1504, 0.3240,  
0.4489

 66.6463, 0.3220,  
0.4164

 69.5144, 0.3193,  
0.3856

 72.7699, 0.3163,  
0.3572

 76.4268, 0.3130,  
0.3315

 80.4986, 0.3098,  
0.3085

# Harmonies

## Analogous

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



57.5455, 0.4274, 0.5267



57.5455, 0.3203, 0.5650



57.5455, 0.2165, 0.4852

# Triad

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



57.5455, 0.3203, 0.5650



57.5455, 0.1304, 0.1702



57.5455, 0.5053, 0.2874

# Complementary

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



57.5455, 0.3203, 0.5650



16.4125, 0.2638, 0.1334

# 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.



57.5455, 0.3864, 0.2224



57.5455, 0.3203, 0.5650



57.5455, 0.1750, 0.1585

# Square

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



57.5455, 0.3203, 0.5650



57.5455, 0.1201, 0.2222



57.5455, 0.2613, 0.1769



57.5455, 0.5520, 0.3612



# Rectangle

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



57.5455, 0.3203, 0.5650



57.5455, 0.1643, 0.3832



57.5455, 0.2613, 0.1769



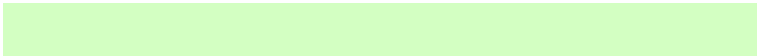
57.5455, 0.4710, 0.2643

# Sweetspot

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



57.5479, 0.3203, 0.5650



89.2635, 0.3202, 0.3950



47.1282, 0.4585, 0.4556



18.8193, 0.3212, 0.4061



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.



57.5479, 0.3203, 0.5650



73.1312, 0.3129, 0.5883



56.0815, 0.2901, 0.5417



16.2849, 0.3158, 0.3530



32.7268, 0.3128, 0.5899



2.4641, 0.3235, 0.5814



# Inverse Universe

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



16.4125, 0.2638, 0.1334



17.7315, 0.2514, 0.1167



21.6618, 0.3699, 0.1929



14.4003, 0.3093, 0.3055



7.8365, 0.2508, 0.1155

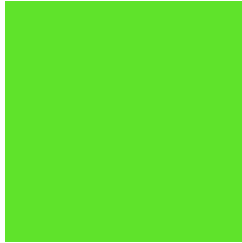


0.6253, 0.2613, 0.1213



# Previews

## White Background



This preview shows how the Yxy color 57.5455, 0.3203, 0.5650 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 57.5455, 0.3203, 0.5650 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

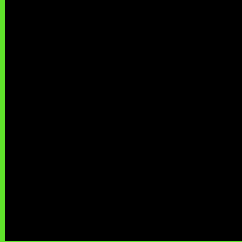
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.5455, 0.3203, 0.5650**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.5455, 0.3203, 0.5650.



This preview shows how white text looks on a background with the Yxy color 57.5455, 0.3203, 0.5650.

# 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

57.5455, 0.3203, 0.5650

### Protanopia

56.6622, 0.4346, 0.4812

### Deuteranopia

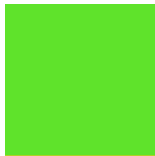
56.2818, 0.4556, 0.4453



## Tritanopia

56.9358, 0.2509, 0.3071

# Trichromacy



## Original Color

57.5455, 0.3203, 0.5650



## Protanomaly

54.9775, 0.3860, 0.5166



## Deuteranomaly

53.7331, 0.3993, 0.4924



## Tritanomaly

55.9808, 0.2815, 0.4085

# Monochromacy



## Original Color

57.5455, 0.3203, 0.5650



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

43.4631, 0.3230, 0.4293

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.5455, 0.3203, 0.5650 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(95, 227, 43)` looks like.

```
.text, #text, p{  
    color:rgb(95, 227, 43)  
}
```

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(95, 227, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 227, 43) }
```

## Border

The CSS property to change the border of an element to Yxy 57.5455, 0.3203, 0.5650 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(95, 227, 43) }
```

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

```
.border{ border-color:rgb(95, 227, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 227, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 227, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 227, 43);  
box-shadow:4px 4px 4px 4px rgb(95, 227,  
43) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.5455, 0.3203, 0.5650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 227, 43) }
```

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

```
.background{ background-color: rgb(95, 227,  
43) }
```

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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