

# Converting Colors

$Y_{xy}(55.9042, 0.3108, 0.5913)$

Have a look what the booklet for  
Yxy(55.9042, 0.3108, 0.5913)  
contains.

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# Color

**Yxy(55.9325, 0.3107, 0.5912)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DE301
RGB	61, 227, 1
RGB Percent	24%, 89%, 0%
CMY	0.7612, 0.1098, 0.9952
CMYK	0.73, 0.00, 0.99, 0.11
HSL	104°, 99%, 45%
HSV	104°, 99%, 89%
XYZ	29.3948, 55.9325, 9.2811
YIQ	151.6020, -26.3900, -105.4780

# Conversions

## Conversions Part 2

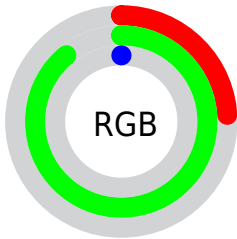
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 227, 167
Decimal	4055809
CIELab	79.58, -73.84, 76.77
CIELCh	80, 106.511, 133.885
Yxy	55.9325, 0.3107, 0.5912
Android (android.graphics.Color)	4282245889 (0xFF3DE301)
YUV	151.6020, -74.2468, -79.4580
Hunter-Lab	74.7880, -60.7211, 44.9938

# Details

The Yxy color **55.9325, 0.3107, 0.5912** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **13.8264, 0.2544, 0.1177**, and the grayscale version is **31.5521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2765, 0.3240, 0.5292**, and **28.7495, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **55.9039, 0.3105, 0.5917**, and if you desaturate by 10%, it is **56.6117, 0.3153, 0.5805**.

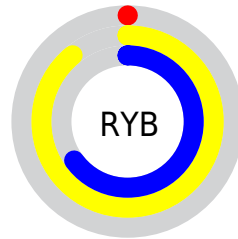
# Distribution



Red (24%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (65%)

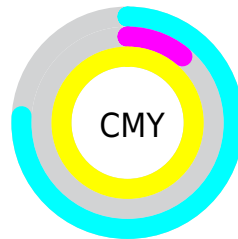


Cyan (73%)

Magenta (0%)

Yellow (99%)

Black (11%)



Cyan (76%)

Magenta (11%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9325, 0.3107, 0.5912 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 55.9325, 0.3107, 0.5912 by changing the saturation by 10% instead.





 55.9325, 0.3107,  
0.5912

 55.9325, 0.3107,  
0.5912


409.4371, 0.3247,  
0.4568


 40.1488, 0.3027,  
0.6225


 98.9059, 0.3192,  
0.5434

 27.6546, 0.2901,  
0.6600


 126.8644, 0.3214,  
0.5250

 18.0654, 0.2705,  
0.7057


 159.6499, 0.3228,  
0.5093

 10.9970, 0.2393,  
0.7607

 197.6468, 0.3237,  
0.4958

 6.0648, 0.1877,  
0.8123

 241.2397, 0.3242,  
0.4841

 2.8845, 0.0819,  
0.9181

 290.8127, 0.3246,

 1.0717, 0.0000,

0.4738

1.0000

346.7504, 0.3247,  
0.4648

■ 0.0000, 0.0000,  
0.0000

■ 55.9325, 0.3107,  
0.5912

■ 55.9325, 0.3107,  
0.5912

■ 55.9039, 0.3105,  
0.5917

■ 56.6117, 0.3153,  
0.5805

■ 57.5410, 0.3192,  
0.5630

■ 58.7565, 0.3220,  
0.5388

■ 60.2826, 0.3234,  
0.5096

■ 62.1405, 0.3236,  
0.4774

■ 64.3498, 0.3226,  
0.4442

■ 66.9281, 0.3208,  
0.4117

■ 69.8920, 0.3183,  
0.3811

■ 73.2569, 0.3155,  
0.3530

# Harmonies

## Analogous

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



55.9325, 0.4261, 0.5433



55.9325, 0.3107, 0.5912



55.9325, 0.2013, 0.4987

# Triad

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



55.9325, 0.3107, 0.5912



55.9325, 0.1188, 0.1563



55.9325, 0.5290, 0.2843

# Complementary

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



55.9325, 0.3107, 0.5912



13.8264, 0.2544, 0.1177

# 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.



55.9325, 0.3989, 0.2157



55.9325, 0.3107, 0.5912



55.9325, 0.1667, 0.1464

# Square

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



55.9325, 0.3107, 0.5912



55.9325, 0.1063, 0.2075



55.9325, 0.2603, 0.1670



55.9325, 0.5729, 0.3610



# Rectangle

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



55.9325, 0.3107, 0.5912



55.9325, 0.1479, 0.3807



55.9325, 0.2603, 0.1670



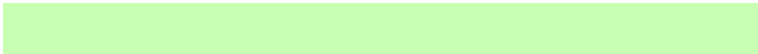
55.9325, 0.4922, 0.2601

# Sweetspot

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



55.9348, 0.3107, 0.5912



86.8577, 0.3209, 0.4140



43.8996, 0.4762, 0.4598



18.2767, 0.3218, 0.4277



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.



55.9348, 0.3107, 0.5912



72.7269, 0.3101, 0.5920



55.2170, 0.2932, 0.5751



16.2724, 0.3155, 0.3530



32.6485, 0.3113, 0.5910



2.4569, 0.3218, 0.5827



# Inverse Universe

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



13.8264, 0.2544, 0.1177



17.8626, 0.2536, 0.1171



19.4278, 0.3910, 0.1930



14.4136, 0.3096, 0.3055



8.0863, 0.2550, 0.1179

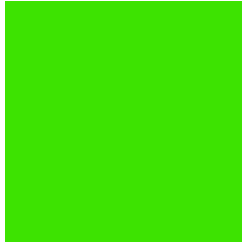


0.6421, 0.2650, 0.1234



# Previews

## White Background



This preview shows how the Yxy color 55.9325, 0.3107, 0.5912 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 55.9325, 0.3107, 0.5912 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

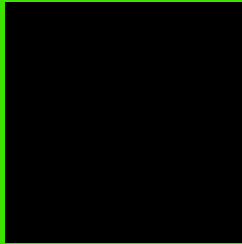
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.9325, 0.3107, 0.5912**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.9325, 0.3107, 0.5912.



This preview shows how white text looks on a background with the Yxy color 55.9325, 0.3107, 0.5912.

# 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

55.9325, 0.3107, 0.5912

### Protanopia

54.6955, 0.4401, 0.4887

### Deuteranopia

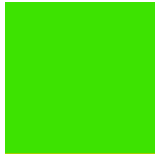
54.5125, 0.4624, 0.4509



## Tritanopia

55.5050, 0.2415, 0.3066

# Trichromacy



## Original Color

55.9325, 0.3107, 0.5912



## Protanomaly

52.3070, 0.3811, 0.5356



## Deuteranomaly

50.9965, 0.3965, 0.5119



## Tritanomaly

53.9763, 0.2771, 0.4346

# Monochromacy



## Original Color

55.9325, 0.3107, 0.5912



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

37.0252, 0.3236, 0.4628

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.9325, 0.3107, 0.5912 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(61, 227, 1)` looks like.

```
.text, #text, p{  
    color:rgb(61, 227, 1)  
}
```

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(61, 227, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 227, 1) }
```

## Border

The CSS property to change the border of an element to Yxy 55.9325, 0.3107, 0.5912 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(61, 227, 1) }
```

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

```
.border{ border-color:rgb(61, 227, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 227, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 227, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 227, 1);  
box-shadow:4px 4px 4px 4px rgb(61, 227, 1)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 55.9325, 0.3107, 0.5912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 227, 1) }
```

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

```
.background{ background-color: rgb(61, 227,  
1) }
```

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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