

# Converting Colors

Yxy(56.7321, 0.3015, 0.5988)

Have a look what the booklet for  
Yxy(56.7321, 0.3015, 0.5988)  
contains.

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**Color**

**Yxy(56.7321, 0.3015, 0.5988)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13E600
RGB	19, 230, 0
RGB Percent	7%, 90%, 0%
CMY	0.9256, 0.0980, 0.9997
CMYK	0.92, 0.00, 1.00, 0.10
HSL	115°, 100%, 45%
HSV	115°, 100%, 90%
XYZ	28.5650, 56.7321, 9.4459
YIQ	140.6910, -51.9260, -116.2620

# Conversions

## Conversions Part 2

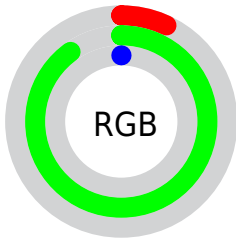
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 230, 211
Decimal	1304064
CIELab	80.03, -79.00, 77.03
CIELCh	80, 110.339, 135.724
Yxy	56.7321, 0.3015, 0.5988
Android (android.graphics.Color)	4279494144 (0xFF13E600)
YUV	140.6910, -69.3607, -106.7230
Hunter-Lab	75.3207, -64.1160, 45.2890

# Details

The Yxy color **56.7321, 0.3015, 0.5988** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **19.5797, 0.3001, 0.1427**, and the grayscale version is **26.8004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9211, 0.3148, 0.5350**, and **29.8871, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.7337, 0.3015, 0.5988**, and if you desaturate by 10%, it is **57.1110, 0.3032, 0.5904**.

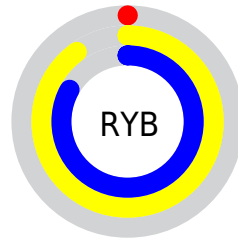
# Distribution



Red (7%)

Green (90%)

Blue (0%)



Red (0%)

Yellow (90%)

Blue (83%)

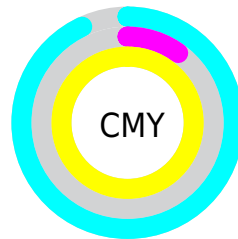


Cyan (92%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (93%)

Magenta (10%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7321, 0.3015, 0.5988 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 56.7321, 0.3015, 0.5988 by changing the saturation by 10% instead.




 56.7321, 0.3015,  
0.5988

 56.7321, 0.3015,  
0.5988


412.4447, 0.3203,  
0.4600

 40.7902, 0.2924,  
0.6313


 100.0742, 0.3117,  
0.5493


 28.1552, 0.2785,  
0.6703

 128.2431, 0.3145,  
0.5302

 18.4427, 0.2572,  
0.7177

 161.2566, 0.3165,  
0.5140

 11.2683, 0.2245,  
0.7755

 199.4989, 0.3179,  
0.5001

 6.2476, 0.1716,  
0.8284

 243.3545, 0.3188,  
0.4880

 2.9962, 0.0564,  
0.9436

 293.2077, 0.3195,

 1.1297, 0.0000,

0.4775

1.0000

349.4430, 0.3200,  
0.4682

■ 0.0032, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.7321, 0.3015,  
0.5988

■ 56.7321, 0.3015,  
0.5988


■ 56.7337, 0.3015,  
0.5988


■ 57.1110, 0.3032,  
0.5904


■ 57.7920, 0.3053,  
0.5742


■ 58.8338, 0.3074,  
0.5500


■ 60.2777, 0.3092,  
0.5195

 62.1591, 0.3106,  
0.4853

 64.5099, 0.3117,  
0.4500

 67.3585, 0.3123,  
0.4156

 70.7316, 0.3127,  
0.3836

 74.6535, 0.3128,  
0.3546

# Harmonies

## Analogous

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



56.7321, 0.4195, 0.5527



56.7321, 0.3015, 0.5988



56.7321, 0.1917, 0.4943

# Triad

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



56.7321, 0.3015, 0.5988



56.7321, 0.1169, 0.1508



56.7321, 0.5412, 0.2869

# Complementary

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



56.7321, 0.3015, 0.5988



19.5797, 0.3001, 0.1427

# 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.



56.7321, 0.4106, 0.2168



56.7321, 0.3015, 0.5988



56.7321, 0.1677, 0.1431

# Square

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



56.7321, 0.3015, 0.5988



56.7321, 0.1020, 0.1991



56.7321, 0.2662, 0.1658



56.7321, 0.5785, 0.3647



# Rectangle

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



56.7321, 0.3015, 0.5988



56.7321, 0.1398, 0.3707



56.7321, 0.2662, 0.1658



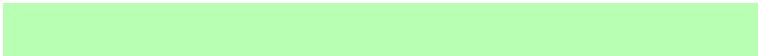
56.7321, 0.5052, 0.2624

# Sweetspot

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



56.7345, 0.3015, 0.5988



85.0423, 0.3123, 0.4163



63.3345, 0.4349, 0.4929



17.8601, 0.3121, 0.4307



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.



56.7345, 0.3015, 0.5988



71.6790, 0.3014, 0.5989



57.4389, 0.2806, 0.5301



16.1455, 0.3128, 0.3532



32.1389, 0.3019, 0.5985



2.3947, 0.3069, 0.5945



# Inverse Universe

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



19.5797, 0.3001, 0.1427



24.7198, 0.2999, 0.1426



18.5519, 0.4633, 0.2326



14.5518, 0.3125, 0.3058



11.1090, 0.3004, 0.1429

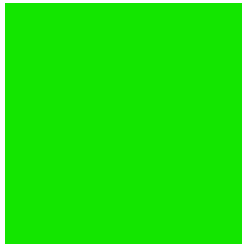


0.8388, 0.3036, 0.1446



# Previews

## White Background



This preview shows how the Yxy color 56.7321, 0.3015, 0.5988 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

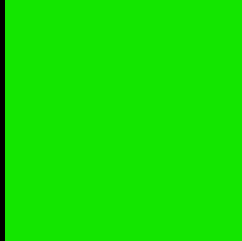
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.7321, 0.3015, 0.5988 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

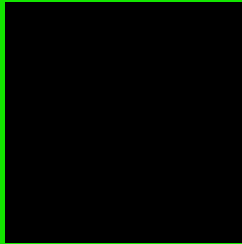
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.7321, 0.3015, 0.5988**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.7321, 0.3015, 0.5988.



This preview shows how white text looks on a background with the Yxy color 56.7321, 0.3015, 0.5988.

# 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

56.7321, 0.3015, 0.5988

### Protanopia

55.4621, 0.4409, 0.4881

### Deuteranopia

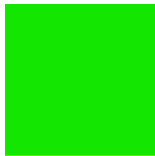
55.1223, 0.4619, 0.4507



## Tritanopia

56.4593, 0.2362, 0.3066

# Trichromacy



## Original Color

56.7321, 0.3015, 0.5988



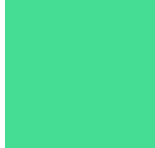
## Protanomaly

51.8968, 0.3682, 0.5458



## Deuteranomaly

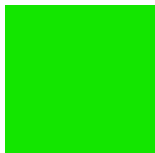
50.2379, 0.3820, 0.5230



## Tritanomaly

54.5582, 0.2681, 0.4391

# Monochromacy



## Original Color

56.7321, 0.3015, 0.5988



## Achromatopsia

26.6356, 0.3127, 0.3290



## Achromatomaly

33.1667, 0.3111, 0.4751

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7321, 0.3015, 0.5988 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(19, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(19, 230, 0)  
}
```

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(19, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 230, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7321, 0.3015, 0.5988 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(19, 230, 0) }
```

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

```
.border{ border-color:rgb(19, 230, 0) }
```

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

Here you see how a box with a 4 pixel rgb(19, 230, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(19, 230, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 56.7321, 0.3015, 0.5988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 230, 0) }
```

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

```
.background{ background-color: rgb(19, 230,  
0) }
```

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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