

# Converting Colors

Yxy(69.8093, 0.3017, 0.5986)

Have a look what the booklet for  
Yxy(69.8093, 0.3017, 0.5986)  
contains.

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# Color

**Yxy(69.8150, 0.3017, 0.5986)**

# Conversions

## Conversions Part 1

Format	Color
Hex	18FC00
RGB	24, 252, 0
RGB Percent	9%, 99%, 0%
CMY	0.9060, 0.0117, 0.9989
CMYK	0.90, 0.00, 1.00, 0.01
HSL	114°, 100%, 49%
HSV	114°, 100%, 99%
XYZ	35.1874, 69.8150, 11.6281
YIQ	155.1000, -54.9960, -126.7080

# Conversions

## Conversions Part 2

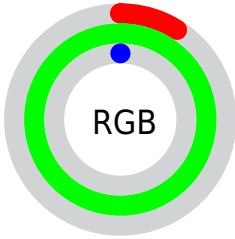
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 252, 228
Decimal	1637376
CIELab	86.91, -84.54, 82.54
CIELCh	87, 118.149, 135.687
Yxy	69.8150, 0.3017, 0.5986
Android (android.graphics.Color)	4279827456 (0xFF18FC00)
YUV	155.1000, -76.4643, -114.9747
Hunter-Lab	83.5554, -71.0507, 50.2376

# Details

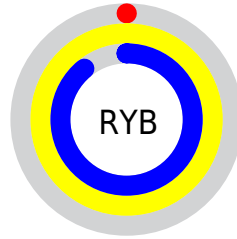
The Yxy color **69.8150, 0.3017, 0.5986** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **23.5824, 0.2969, 0.1410**, and the grayscale version is **33.1986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5037, 0.3166, 0.5282**, and **38.5836, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.8142, 0.3017, 0.5987**, and if you desaturate by 10%, it is **70.2952, 0.3037, 0.5904**.

# Distribution



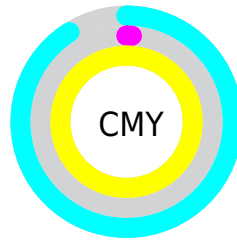
- Red (9%)
- Green (99%)
- Blue (0%)



- Red (0%)
- Yellow (99%)
- Blue (89%)



- Cyan (90%)
- Magenta (0%)
- Yellow (100%)
- Black (1%)




- Cyan (91%)
- Magenta (1%)
- Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8150, 0.3017, 0.5986 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 69.8150, 0.3017, 0.5986 by changing the saturation by 10% instead.




 69.8150, 0.3017,  
0.5986


 69.8150, 0.3017,  
0.5986


459.9002, 0.3202,  
0.4647

 51.3757, 0.2934,  
0.6287

 118.9449, 0.3114,  
0.5519


 36.5077, 0.2810,  
0.6644


 150.4043, 0.3142,  
0.5336

 24.8266, 0.2623,  
0.7066


 186.9726, 0.3162,  
0.5180

 15.9479, 0.2365,  
0.7635

 229.0340, 0.3176,  
0.5044

 9.4873, 0.1915,  
0.8085

 276.9731, 0.3186,  
0.4926

 5.0604, 0.1317,  
0.8683

 331.1743, 0.3193,

 2.2827, 0.0000,

0.4821

1.0000

392.0218, 0.3199,  
0.4729

■ 0.7645, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.8150, 0.3017,  
0.5986

■ 69.8150, 0.3017,  
0.5986

■ 69.8142, 0.3017,  
0.5987

■ 70.2952, 0.3037,  
0.5904

■ 71.1478, 0.3059,  
0.5743

■ 72.4422, 0.3081,  
0.5502

■ 74.2286, 0.3100,  
0.5197

■ 76.5498, 0.3114,  
0.4855

■ 79.4444, 0.3123,  
0.4502

■ 82.9472, 0.3129,  
0.4157

■ 87.0901, 0.3131,  
0.3836

■ 91.9031, 0.3130,  
0.3545

# Harmonies

## Analogous

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



69.8150, 0.4197, 0.5525



69.8150, 0.3017, 0.5986



69.8150, 0.1919, 0.4943

# Triad

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



69.8150, 0.3017, 0.5986



69.8150, 0.1170, 0.1510



69.8150, 0.5409, 0.2869

# Complementary

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



69.8150, 0.3017, 0.5986



23.5824, 0.2969, 0.1410

# 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.



69.8150, 0.4103, 0.2168



69.8150, 0.3017, 0.5986



69.8150, 0.1677, 0.1432

# Square

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



69.8150, 0.3017, 0.5986



69.8150, 0.1021, 0.1993



69.8150, 0.2661, 0.1659



69.8150, 0.5783, 0.3647



# Rectangle

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



69.8150, 0.3017, 0.5986



69.8150, 0.1399, 0.3709



69.8150, 0.2661, 0.1659



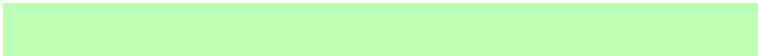
69.8150, 0.5049, 0.2624

# Sweetspot

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



69.8179, 0.3017, 0.5986



85.1555, 0.3129, 0.4162



75.5433, 0.4384, 0.4901



17.8859, 0.3127, 0.4305



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.



69.8179, 0.3017, 0.5986



71.7140, 0.3017, 0.5987



70.5644, 0.2822, 0.5358



19.3872, 0.3130, 0.3534



36.3924, 0.3021, 0.5983



3.3960, 0.3067, 0.5947



# Inverse Universe

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



23.5824, 0.2969, 0.1410



24.2115, 0.2969, 0.1409



22.9470, 0.4570, 0.2292



17.4367, 0.3123, 0.3055



12.3136, 0.2973, 0.1412

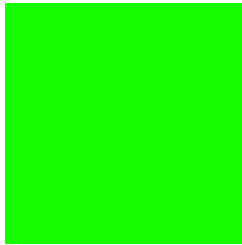


1.1639, 0.3003, 0.1428



# Previews

## White Background



This preview shows how the Yxy color 69.8150, 0.3017, 0.5986 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

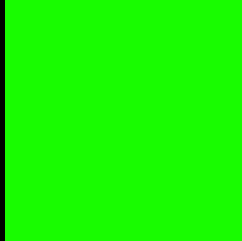
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8150, 0.3017, 0.5986 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

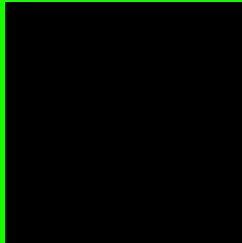
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

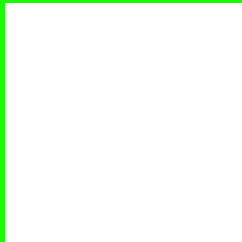
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.8150, 0.3017, 0.5986**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8150, 0.3017, 0.5986.



This preview shows how white text looks on a background with the Yxy color 69.8150, 0.3017, 0.5986.

# 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

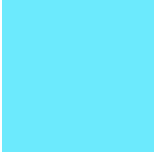
69.8150, 0.3017, 0.5986

### Protanopia

68.1664, 0.4407, 0.4883

### Deuteranopia

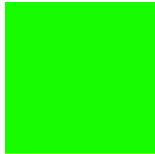
68.0652, 0.4053, 0.4055



## Tritanopia

69.1256, 0.2361, 0.3060

# Trichromacy



## Original Color

69.8150, 0.3017, 0.5986



## Protanomaly

63.8252, 0.3686, 0.5455



## Deuteranomaly

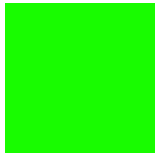
62.6251, 0.3578, 0.4969



## Tritanomaly

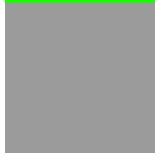
67.0616, 0.2685, 0.4397

# Monochromacy



## Original Color

69.8150, 0.3017, 0.5986



## Achromatopsia

32.7778, 0.3127, 0.3290



## Achromatomaly

40.8536, 0.3113, 0.4758

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8150, 0.3017, 0.5986 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(24, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(24, 252, 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(24, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 252, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8150, 0.3017, 0.5986 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(24, 252, 0) }
```

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

```
.border{ border-color:rgb(24, 252, 0) }
```

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

Here you see how a box with a 4 pixel rgb(24, 252, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(24, 252, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 69.8150, 0.3017, 0.5986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 252, 0) }
```

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

```
.background{ background-color: rgb(24, 252,  
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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