

# Converting Colors

$Y_{xy}(71.5979, 0.2902, 0.5365)$

Have a look what the booklet for  
Yxy(71.5979, 0.2902, 0.5365)  
contains.

<b>Yxy(71.3246, 0.2903, 0.5364)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(71.3246, 0.2903, 0.5364)**

# Conversions

## Conversions Part 1

Format	Color
Hex	38FC61
RGB	56, 252, 97
RGB Percent	22%, 99%, 38%
CMY	0.7802, 0.0118, 0.6196
CMYK	0.78, 0.00, 0.62, 0.01
HSL	133°, 97%, 60%
HSV	133°, 78%, 99%
XYZ	38.6009, 71.3246, 23.0435
YIQ	175.7260, -67.0610, -89.7570

# Conversions

## Conversions Part 2

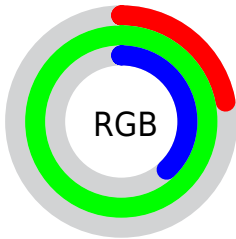
Format	Color
<a href="#">RYB</a>	<a href="#">56, 218, 252</a>
Decimal	<a href="#">3734625</a>
CIELab	<a href="#">87.64, -76.46, 59.51</a>
CIELCh	<a href="#">88, 96.889, 142.107</a>
Yxy	<a href="#">71.3246, 0.2903, 0.5364</a>
Android (android.graphics.Color)	<a href="#">4281924705 (0xFF38FC61)</a>
YUV	<a href="#">175.7260, -38.8119, -104.9997</a>
Hunter-Lab	<a href="#">84.4539, -66.2082, 42.9402</a>

# Details

The Yxy color **71.3246, 0.2903, 0.5364** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **28.2332, 0.3656, 0.1936**, and the grayscale version is **43.5062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7735, 0.2969, 0.4577**, and **38.7301, 0.2945, 0.5803** is the 20% darker color. If you saturate the color by 10%, you get **70.4481, 0.2917, 0.5597**, and if you desaturate by 10%, it is **72.6654, 0.2902, 0.5090**.

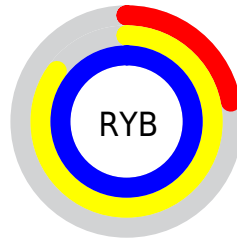
# Distribution



Red (22%)

Green (99%)

Blue (38%)



Red (22%)

Yellow (85%)

Blue (99%)

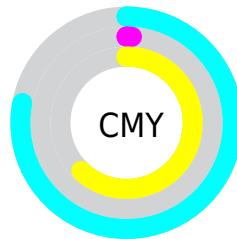


Cyan (78%)

Magenta (0%)

Yellow (62%)

Black (1%)



Cyan (78%)

Magenta (1%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3246, 0.2903, 0.5364 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 71.3246, 0.2903, 0.5364 by changing the saturation by 10% instead.





 71.3246, 0.2903,  
0.5364


 71.3246, 0.2903,  
0.5364


465.1874, 0.3075,  
0.4317


 52.6071, 0.2843,  
0.5617


 121.0958, 0.2979,  
0.4987

 37.4892, 0.2758,  
0.5933


 152.9183, 0.3003,  
0.4844

 25.5865, 0.2633,  
0.6333


 189.8780, 0.3023,  
0.4723

 16.5146, 0.2441,  
0.6844

 232.3592, 0.3038,  
0.4618

 9.8890, 0.2154,  
0.7558

280.7464, 0.3050,  
0.4528

 5.3254, 0.1658,  
0.8342

335.4238, 0.3060,

 2.4394, 0.0000,

0.4448

1.0000

396.7760, 0.3068,  
0.4379

■ 0.8461, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 71.3246, 0.2903,  
0.5364

■ 71.3246, 0.2903,  
0.5364

■ 70.4481, 0.2917,  
0.5597

■ 72.6654, 0.2902,  
0.5090


■ 69.9556, 0.2942,  
0.5777


■ 74.5162, 0.2915,  
0.4794


■ 69.8764, 0.2947,  
0.5810


■ 76.9268, 0.2939,  
0.4491

■ 79.9386, 0.2972,  
0.4198

 83.5888, 0.3010,  
0.3922

 87.9119, 0.3052,  
0.3671

 92.9397, 0.3094,  
0.3446

 98.1023, 0.3128,  
0.3262

# Harmonies

## Analogous

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



71.3246, 0.3936, 0.5346



71.3246, 0.2903, 0.5364



71.3246, 0.1980, 0.4304

# Triad

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



71.3246, 0.2903, 0.5364



71.3246, 0.1491, 0.1718



71.3246, 0.5152, 0.3130

# Complementary

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



71.3246, 0.2903, 0.5364



28.2332, 0.3656, 0.1936

# 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.



71.3246, 0.4203, 0.2466



71.3246, 0.2903, 0.5364



71.3246, 0.2040, 0.1696

# Square

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



71.3246, 0.2903, 0.5364



71.3246, 0.1293, 0.2088



71.3246, 0.2990, 0.1959



71.3246, 0.5346, 0.3865



# Rectangle

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



71.3246, 0.2903, 0.5364



71.3246, 0.1566, 0.3368



71.3246, 0.2990, 0.1959



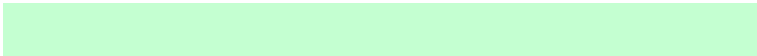
71.3246, 0.4905, 0.2898

# Sweetspot

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



71.3275, 0.2903, 0.5364



87.8870, 0.3030, 0.3800



84.0260, 0.3846, 0.5136



18.4792, 0.3015, 0.3892



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.



71.3275, 0.2903, 0.5364



72.0576, 0.2929, 0.5700



74.3241, 0.2520, 0.4063



19.3686, 0.3087, 0.3483



36.4157, 0.2941, 0.5786



3.3874, 0.2883, 0.5577



# Inverse Universe

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



28.2332, 0.3656, 0.1936



26.1158, 0.3780, 0.1880



24.7623, 0.5073, 0.2814



17.4587, 0.3170, 0.3104



12.9584, 0.3822, 0.1879

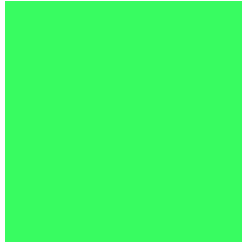


1.2152, 0.3734, 0.1831



# Previews

## White Background



This preview shows how the Yxy color 71.3246, 0.2903, 0.5364 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 71.3246, 0.2903, 0.5364 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 71.3246, 0.2903, 0.5364**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.3246, 0.2903, 0.5364.

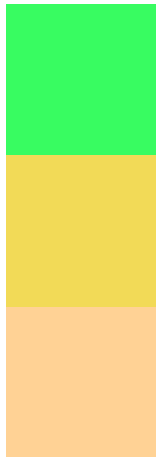


This preview shows how white text looks on a background with the Yxy color 71.3246, 0.2903, 0.5364.

# 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

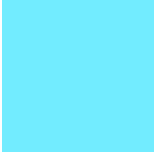
71.3246, 0.2903, 0.5364

### Protanopia

69.7082, 0.4165, 0.4579

### Deuteranopia

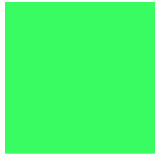
69.5231, 0.3929, 0.3919



## **Tritanopia**

70.7883, 0.2379, 0.3062

# Trichromacy



## Original Color

71.3246, 0.2903, 0.5364



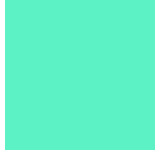
## Protanomaly

66.3476, 0.3550, 0.4945



## Deuteranomaly

65.5294, 0.3431, 0.4454



## Tritanomaly

69.9086, 0.2569, 0.3866

# Monochromacy



## Original Color

71.3246, 0.2903, 0.5364



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

50.1978, 0.2983, 0.4116

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.3246, 0.2903, 0.5364 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(56, 252, 97)` looks like.

```
.text, #text, p{  
    color:rgb(56, 252, 97)  
}
```

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(56, 252, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 252, 97) }
```

## Border

The CSS property to change the border of an element to Yxy 71.3246, 0.2903, 0.5364 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(56, 252, 97) }
```

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

```
.border{ border-color:rgb(56, 252, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 252, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 252, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 252, 97);  
box-shadow:4px 4px 4px 4px rgb(56, 252,  
97) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.3246, 0.2903, 0.5364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 252, 97) }
```

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

```
.background{ background-color: rgb(56, 252,  
97) }
```

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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