

# Converting Colors

$Y_{xy}(73.4027, 0.2855, 0.5234)$

Have a look what the booklet for  
Yxy(73.4027, 0.2855, 0.5234)  
contains.

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# Color

**Yxy(73.4027, 0.2855, 0.5234)**

# Conversions

## Conversions Part 1

Format	Color
Hex	35FF6E
RGB	53, 255, 110
RGB Percent	21%, 100%, 43%
CMY	0.7924, 0.0000, 0.5687
CMYK	0.79, 0.00, 0.57, 0.00
HSL	137°, 100%, 60%
HSV	137°, 79%, 100%
XYZ	40.0391, 73.4027, 26.8003
YIQ	178.0720, -73.8470, -87.9190

# Conversions

## Conversions Part 2

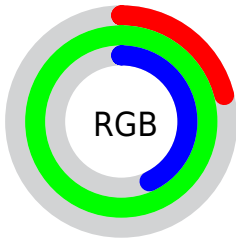
<b>Format</b>	<b>Color</b>
<b>RYB</b>	53, 211, 255
Decimal	3538798
CIELab	88.64, -76.22, 55.07
CIELCh	89, 94.031, 144.148
Yxy	73.4027, 0.2855, 0.5234
Android (android.graphics.Color)	4281728878 (0xFF35FF6E)
YUV	178.0720, -33.5595, -109.6881
Hunter-Lab	85.6754, -66.5126, 41.4262

# Details

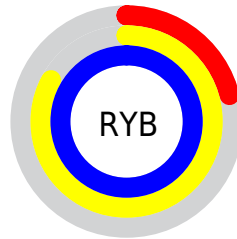
The Yxy color **73.4027, 0.2855, 0.5234** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **27.8776, 0.3858, 0.2041**, and the grayscale version is **44.7604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1421, 0.2903, 0.4413**, and **40.2180, 0.2900, 0.5640** is the 20% darker color. If you saturate the color by 10%, you get **72.5261, 0.2874, 0.5465**, and if you desaturate by 10%, it is **74.7244, 0.2852, 0.4973**.

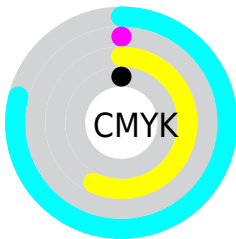
# Distribution



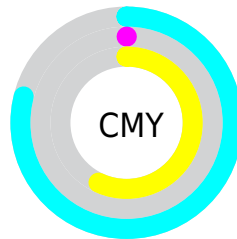
- Red (21%)
- Green (100%)
- Blue (43%)



- Red (21%)
- Yellow (83%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)




- Cyan (79%)
- Magenta (0%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4027, 0.2855, 0.5234 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 73.4027, 0.2855, 0.5234 by changing the saturation by 10% instead.





 73.4027, 0.2855,  
0.5234


 73.4027, 0.2855,  
0.5234


472.4093, 0.3039,  
0.4255

 54.3053, 0.2796,  
0.5472


 124.0487, 0.2932,  
0.4882


 38.8458, 0.2715,  
0.5769

 156.3662, 0.2958,  
0.4748

 26.6398, 0.2597,  
0.6149


 193.8590, 0.2979,  
0.4634

 17.3029, 0.2421,  
0.6643

 236.9118, 0.2996,  
0.4537

 10.4507, 0.2145,  
0.7292

285.9088, 0.3010,  
0.4452

 5.6988, 0.1731,  
0.8269


341.2345, 0.3021,

 2.6628, 0.0365,

0.4378


0.9635


403.2732, 0.3031,  
0.4313

 0.9583, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 73.4027, 0.2855,  
0.5234

 73.4027, 0.2855,  
0.5234


 72.5261, 0.2874,  
0.5465


 74.7244, 0.2852,  
0.4973


 72.0185, 0.2906,  
0.5656


 76.5533, 0.2865,  
0.4697

 71.9874, 0.2908,  
0.5669

 78.9346, 0.2892,  
0.4418

 81.9100, 0.2930,  
0.4149

 85.5172, 0.2975,  
0.3897

 89.7906, 0.3026,  
0.3667

 94.7622, 0.3078,  
0.3460

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



73.4027, 0.3860, 0.5307



73.4027, 0.2855, 0.5234



73.4027, 0.1974, 0.4171

# Triad

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



73.4027, 0.2855, 0.5234



73.4027, 0.1562, 0.1753



73.4027, 0.5115, 0.3192

# Complementary

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



73.4027, 0.2855, 0.5234



27.8776, 0.3858, 0.2041

# 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.



73.4027, 0.4241, 0.2535



73.4027, 0.2855, 0.5234



73.4027, 0.2127, 0.1750

# Square

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



73.4027, 0.2855, 0.5234



73.4027, 0.1346, 0.2093



73.4027, 0.3074, 0.2024



73.4027, 0.5261, 0.3918



# Rectangle

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



73.4027, 0.2855, 0.5234



73.4027, 0.1586, 0.3286



73.4027, 0.3074, 0.2024



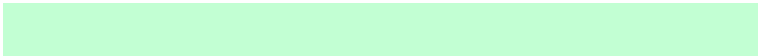
73.4027, 0.4893, 0.2963

# Sweetspot

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



73.4006, 0.2855, 0.5234



87.6696, 0.3001, 0.3774



84.2106, 0.3755, 0.5225



18.4471, 0.2983, 0.3857



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.



73.4006, 0.2855, 0.5234



72.1995, 0.2892, 0.5580



76.8224, 0.2463, 0.3894



20.2524, 0.3077, 0.3465



37.6368, 0.2900, 0.5641



3.6823, 0.2839, 0.5422



# Inverse Universe

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



27.8776, 0.3858, 0.2041



25.1136, 0.4043, 0.2018



24.7234, 0.5333, 0.2942



18.2078, 0.3181, 0.3121



12.9229, 0.4082, 0.2022

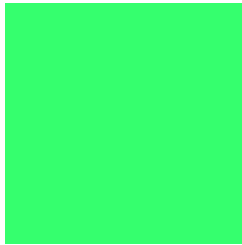


1.2770, 0.3959, 0.1955



# Previews

## White Background



This preview shows how the Yxy color 73.4027, 0.2855, 0.5234 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 73.4027, 0.2855, 0.5234 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 73.4027, 0.2855, 0.5234**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.4027, 0.2855, 0.5234.

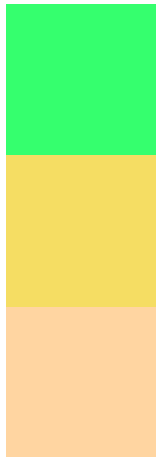


This preview shows how white text looks on a background with the Yxy color 73.4027, 0.2855, 0.5234.

# 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

73.4027, 0.2855, 0.5234

### Protanopia

72.0262, 0.4109, 0.4501

### Deuteranopia

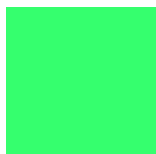
71.4217, 0.3829, 0.3827



## Tritanopia

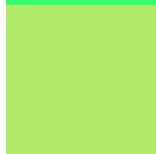
72.4555, 0.2438, 0.3078

# Trichromacy



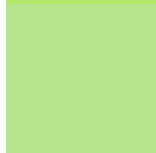
## Original Color

73.4027, 0.2855, 0.5234



## Protanomaly

68.3711, 0.3492, 0.4847



## Deuteranomaly

67.3849, 0.3346, 0.4343



## Tritanomaly

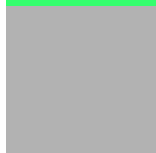
71.7323, 0.2583, 0.3830

# Monochromacy



## Original Color

73.4027, 0.2855, 0.5234



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

51.4291, 0.2952, 0.4049

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.4027, 0.2855, 0.5234 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(53, 255, 110)` looks like.

```
.text, #text, p{  
    color:rgb(53, 255, 110)  
}
```

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(53, 255, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 255, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 73.4027, 0.2855, 0.5234 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(53, 255, 110) }
```

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

```
.border{ border-color:rgb(53, 255, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 255, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 255, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 255, 110);  
box-shadow:4px 4px 4px 4px rgb(53, 255,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.4027, 0.2855, 0.5234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 255, 110) }
```

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

```
.background{ background-color: rgb(53, 255,  
110) }
```

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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