

# Converting Colors

$Yxy(71.3791, 0.3017, 0.5548)$

Have a look what the booklet for  
Yxy(71.3791, 0.3017, 0.5548)  
contains.

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# Color

**Yxy(71.5847, 0.3018, 0.5553)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4AFC4B
RGB	74, 252, 75
RGB Percent	29%, 99%, 29%
CMY	0.7097, 0.0118, 0.7059
CMYK	0.71, 0.00, 0.70, 0.01
HSL	120°, 97%, 64%
HSV	120°, 71%, 99%
XYZ	38.9056, 71.5847, 18.4215
YIQ	178.6000, -49.2710, -92.7830

# Conversions

## Conversions Part 2

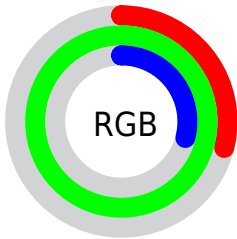
Format	Color
<a href="#">RYB</a>	<a href="#">74, 251, 252</a>
Decimal	<a href="#">4914251</a>
CIELab	<a href="#">87.77, -76.03, 68.29</a>
CIELCh	<a href="#">88, 102.201, 138.069</a>
Yxy	<a href="#">71.5847, 0.3018, 0.5553</a>
Android (android.graphics.Color)	<a href="#">4283104331 (0xFF4AFC4B)</a>
YUV	<a href="#">178.6000, -51.0748, -91.7342</a>
Hunter-Lab	<a href="#">84.6077, -65.9831, 46.3163</a>

# Details

The Yxy color **71.5847, 0.3018, 0.5553** 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 **32.5640, 0.3209, 0.1741**, and the grayscale version is **45.1565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2057, 0.3123, 0.4794**, and **38.5836, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **70.5012, 0.3008, 0.5787**, and if you desaturate by 10%, it is **73.2095, 0.3032, 0.5249**.

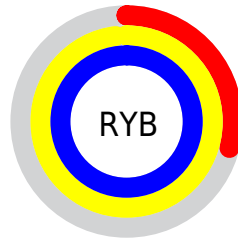
# Distribution



Red (29%)

Green (99%)

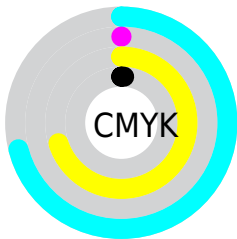
Blue (29%)



Red (29%)

Yellow (98%)

Blue (99%)

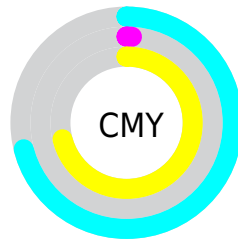


Cyan (71%)

Magenta (0%)

Yellow (70%)

Black (1%)



Cyan (71%)

Magenta (1%)


Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5847, 0.3018, 0.5553 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 71.5847, 0.3018, 0.5553 by changing the saturation by 10% instead.





 71.5847, 0.3018,  
0.5553

 71.5847, 0.3018,  
0.5553


466.0948, 0.3156,  
0.4421

 52.8195, 0.2960,  
0.5819


 121.4659, 0.3086,  
0.5151


 37.6587, 0.2874,  
0.6146


 153.3507, 0.3107,  
0.4996


 25.7179, 0.2742,  
0.6550


 190.3774, 0.3122,  
0.4864

 16.6127, 0.2536,  
0.7047

 232.9306, 0.3133,  
0.4751

 9.9588, 0.2238,  
0.7762

 281.3945, 0.3141,  
0.4652

 5.3716, 0.1682,  
0.8318

336.1536, 0.3147,

 2.4669, 0.0055,

0.4565

0.9945

397.5922, 0.3152,  
0.4489

0.8600, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

71.5847, 0.3018,  
0.5553

71.5847, 0.3018,  
0.5553

70.5012, 0.3008,  
0.5787

73.2095, 0.3032,  
0.5249

69.8822, 0.3002,  
0.5934

75.4235, 0.3048,  
0.4902

69.6259, 0.2999,  
0.5998


78.2794, 0.3065,  
0.4541

81.8216, 0.3083,  
0.4189

 86.0905, 0.3099,  
0.3861

 91.1235, 0.3113,  
0.3565

 96.9554, 0.3126,  
0.3305

 98.1029, 0.3128,  
0.3262

# Harmonies

## Analogous

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



71.5847, 0.4085, 0.5358



71.5847, 0.3018, 0.5553



71.5847, 0.2030, 0.4563

# Triad

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



71.5847, 0.3018, 0.5553



71.5847, 0.1382, 0.1682



71.5847, 0.5162, 0.3011

# Complementary

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



71.5847, 0.3018, 0.5553



32.5640, 0.3209, 0.1741

# 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.



71.5847, 0.4084, 0.2346



71.5847, 0.3018, 0.5553



71.5847, 0.1892, 0.1621

# Square

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



71.5847, 0.3018, 0.5553



71.5847, 0.1223, 0.2115



71.5847, 0.2822, 0.1854



71.5847, 0.5467, 0.3756



# Rectangle

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



71.5847, 0.3018, 0.5553



71.5847, 0.1566, 0.3555



71.5847, 0.2822, 0.1854



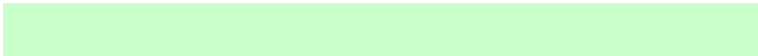
71.5847, 0.4868, 0.2778

# Sweetspot

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



71.5877, 0.3018, 0.5553



88.2520, 0.3098, 0.3873



90.8137, 0.4074, 0.4856



18.6156, 0.3094, 0.3961



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.



71.5877, 0.3018, 0.5553



72.0862, 0.3005, 0.5863



73.7246, 0.2689, 0.4481



19.3108, 0.3115, 0.3534



36.2685, 0.2999, 0.5997



3.3596, 0.2997, 0.5988



# Inverse Universe

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



32.5640, 0.3209, 0.1741



29.8063, 0.3218, 0.1604



28.2418, 0.4280, 0.2457



17.5229, 0.3139, 0.3058



14.3971, 0.3223, 0.1549

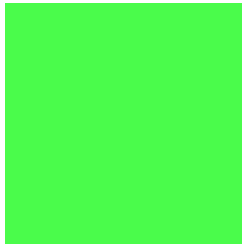


1.3339, 0.3221, 0.1548



# Previews

## White Background



This preview shows how the Yxy color 71.5847, 0.3018, 0.5553 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 71.5847, 0.3018, 0.5553 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

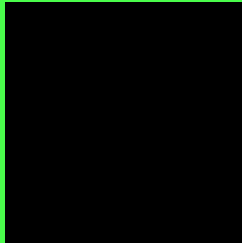
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

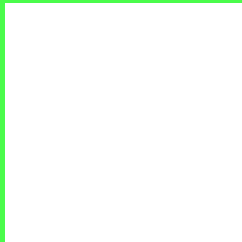
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.5847, 0.3018, 0.5553**

## Background



This preview shows how black text looks on a background with the Yxy color 71.5847, 0.3018, 0.5553.

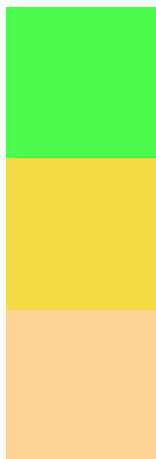


This preview shows how white text looks on a background with the Yxy color 71.5847, 0.3018, 0.5553.

# 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

71.5847, 0.3018, 0.5553

### Protanopia

69.7693, 0.4269, 0.4701

### Deuteranopia

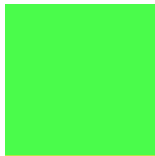
69.9551, 0.3939, 0.3948



## Tritanopia

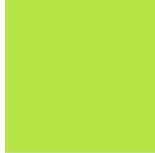
70.7834, 0.2414, 0.3064

# Trichromacy



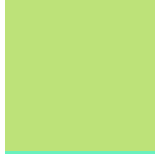
## Original Color

71.5847, 0.3018, 0.5553



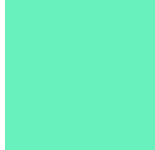
## Protanomaly

66.9684, 0.3697, 0.5088



## Deuteranomaly

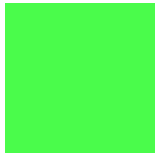
66.5920, 0.3526, 0.4547



## Tritanomaly

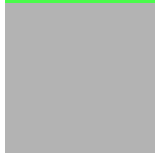
69.5880, 0.2652, 0.3972

# Monochromacy



## Original Color

71.5847, 0.3018, 0.5553



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

51.7284, 0.3084, 0.4213

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.5847, 0.3018, 0.5553 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(74, 252, 75)` looks like.

```
.text, #text, p{  
    color:rgb(74, 252, 75)  
}
```

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(74, 252, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 252, 75) }
```

## Border

The CSS property to change the border of an element to Yxy 71.5847, 0.3018, 0.5553 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(74, 252, 75) }
```

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

```
.border{ border-color:rgb(74, 252, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 252, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 252, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 252, 75);  
box-shadow:4px 4px 4px 4px rgb(74, 252,  
75) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.5847, 0.3018, 0.5553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 252, 75) }
```

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

```
.background{ background-color: rgb(74, 252,  
75) }
```

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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