

# Converting Colors

$Y_{xy}(72.0029, 0.2994, 0.5443)$

Have a look what the booklet for  
Yxy(72.0029, 0.2994, 0.5443)  
contains.

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# Color

**Yxy(71.8705, 0.2996, 0.5444)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DFC56
RGB	77, 252, 86
RGB Percent	30%, 99%, 34%
CMY	0.6979, 0.0118, 0.6627
CMYK	0.69, 0.00, 0.66, 0.01
HSL	123°, 97%, 65%
HSV	123°, 69%, 99%
XYZ	39.5525, 71.8705, 20.5948
YIQ	180.7510, -51.0140, -88.7260

# Conversions

## Conversions Part 2

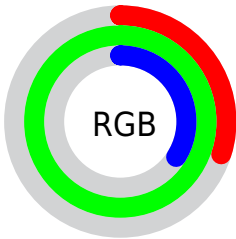
Format	Color
<a href="#">RYB</a>	<a href="#">77, 243, 252</a>
Decimal	<a href="#">5110870</a>
CIELab	<a href="#">87.91, -74.58, 64.34</a>
CIELCh	<a href="#">88, 98.500, 139.214</a>
Yxy	<a href="#">71.8705, 0.2996, 0.5444</a>
Android (android.graphics.Color)	<a href="#">4283300950 (0xFF4DFC56)</a>
YUV	<a href="#">180.7510, -46.7122, -90.9896</a>
Hunter-Lab	<a href="#">84.7765, -65.0795, 44.9402</a>

# Details

The Yxy color **71.8705, 0.2996, 0.5444** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed green. A complement of this color would be **32.4786, 0.3287, 0.1810**, and the grayscale version is **46.3505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6760, 0.3089, 0.4672**, and **38.6377, 0.2979, 0.5925** is the 20% darker color. If you saturate the color by 10%, you get **70.6970, 0.2990, 0.5699**, and if you desaturate by 10%, it is **73.5846, 0.3008, 0.5132**.

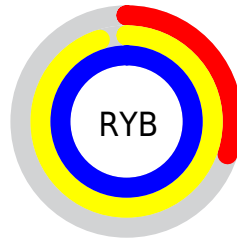
# Distribution



Red (30%)

Green (99%)

Blue (34%)



Red (30%)

Yellow (95%)

Blue (99%)

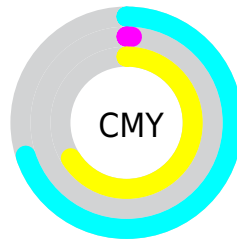


Cyan (69%)

Magenta (0%)

Yellow (66%)

Black (1%)



Cyan (70%)

Magenta (1%)


Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8705, 0.2996, 0.5444 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 71.8705, 0.2996, 0.5444 by changing the saturation by 10% instead.



 71.8705, 0.2996,  
0.5444


 71.8705, 0.2996,  
0.5444


467.0907, 0.3134,  
0.4364

 53.0529, 0.2941,  
0.5701

 121.8724, 0.3062,  
0.5058

 37.8450, 0.2861,  
0.6018


 153.8255, 0.3082,  
0.4911

 25.8624, 0.2739,  
0.6414


 190.9258, 0.3097,  
0.4786

 16.7207, 0.2547,  
0.6911

 233.5579, 0.3109,  
0.4677

 10.0356, 0.2281,  
0.7665

282.1060, 0.3117,  
0.4584

 5.4226, 0.1745,  
0.8255


336.9546, 0.3124,

 2.4973, 0.0248,

0.4501

0.9752


398.4880, 0.3129,  
0.4429

 0.8753, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 71.8705, 0.2996,  
0.5444


 71.8705, 0.2996,  
0.5444


 70.6970, 0.2990,  
0.5699


 73.5846, 0.3008,  
0.5132

 69.9917, 0.2990,  
0.5878


 75.8837, 0.3025,  
0.4790

 69.6642, 0.2994,  
0.5974


 78.8178, 0.3045,  
0.4442


 69.6515, 0.2994,  
0.5978

 82.4293, 0.3066,  
0.4107

 86.7567, 0.3088,  
0.3798

 91.8356, 0.3109,  
0.3521

 97.6996, 0.3128,  
0.3277

 98.1025, 0.3128,  
0.3262

# Harmonies

## Analogous

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



71.8705, 0.4036, 0.5320



71.8705, 0.2996, 0.5444



71.8705, 0.2041, 0.4456

# Triad

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



71.8705, 0.2996, 0.5444



71.8705, 0.1441, 0.1720



71.8705, 0.5116, 0.3056

# Complementary

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



71.8705, 0.2996, 0.5444



32.4786, 0.3287, 0.1810

# 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.



71.8705, 0.4099, 0.2398



71.8705, 0.2996, 0.5444



71.8705, 0.1957, 0.1669

# Square

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



71.8705, 0.2996, 0.5444



71.8705, 0.1273, 0.2132



71.8705, 0.2878, 0.1907



71.8705, 0.5389, 0.3790



# Rectangle

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



71.8705, 0.2996, 0.5444



71.8705, 0.1596, 0.3498



71.8705, 0.2878, 0.1907



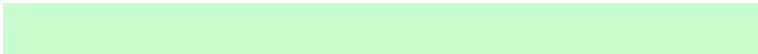
71.8705, 0.4841, 0.2825

# Sweetspot

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



71.8735, 0.2996, 0.5444



88.3693, 0.3084, 0.3845



89.2585, 0.4003, 0.4881



18.6427, 0.3079, 0.3929



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.



71.8735, 0.2996, 0.5444



72.3097, 0.2989, 0.5773



74.2286, 0.2653, 0.4334



19.3237, 0.3109, 0.3522



36.2875, 0.2991, 0.5969



3.3658, 0.2970, 0.5891



# Inverse Universe

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



32.4786, 0.3287, 0.1810



29.5522, 0.3316, 0.1676



28.3994, 0.4377, 0.2548



17.5083, 0.3146, 0.3068



14.0351, 0.3342, 0.1615

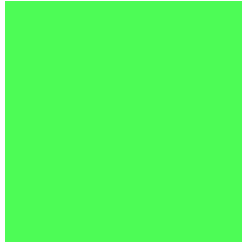


1.3045, 0.3325, 0.1605



# Previews

## White Background



This preview shows how the Yxy color 71.8705, 0.2996, 0.5444 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 71.8705, 0.2996, 0.5444 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 71.8705, 0.2996, 0.5444**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.8705, 0.2996, 0.5444.

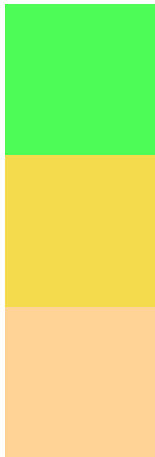


This preview shows how white text looks on a background with the Yxy color 71.8705, 0.2996, 0.5444.

# 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

71.8705, 0.2996, 0.5444

### Protanopia

70.4320, 0.4219, 0.4644

### Deuteranopia

70.0505, 0.3918, 0.3918



## **Tritanopia**

71.4960, 0.2416, 0.3065

# Trichromacy



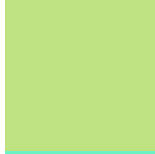
## Original Color

71.8705, 0.2996, 0.5444



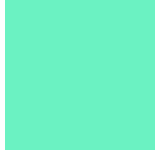
## Protanomaly

67.7983, 0.3659, 0.5007



## Deuteranomaly

66.8722, 0.3499, 0.4477



## Tritanomaly

70.5251, 0.2639, 0.3913

# Monochromacy



## Original Color

71.8705, 0.2996, 0.5444



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

52.5406, 0.3066, 0.4148

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.8705, 0.2996, 0.5444 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(77, 252, 86)` looks like.

```
.text, #text, p{  
    color:rgb(77, 252, 86)  
}
```

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(77, 252, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 252, 86) }
```

## Border

The CSS property to change the border of an element to Yxy 71.8705, 0.2996, 0.5444 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(77, 252, 86) }
```

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

```
.border{ border-color:rgb(77, 252, 86) }
```

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

Here you see how a box with a 4 pixel rgb(77, 252, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 252, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 252, 86);  
box-shadow:4px 4px 4px 4px rgb(77, 252,  
86) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.8705, 0.2996, 0.5444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 252, 86) }
```

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

```
.background{ background-color: rgb(77, 252,  
86) }
```

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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