

# Converting Colors

$Yxy(69.7177, 0.2975, 0.5693)$

Have a look what the booklet for  
Yxy(69.7177, 0.2975, 0.5693)  
contains.

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# Color

**Yxy(69.9454, 0.2973, 0.5690)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EFB40
RGB	46, 251, 64
RGB Percent	18%, 98%, 25%
CMY	0.8202, 0.0157, 0.7487
CMYK	0.82, 0.00, 0.74, 0.02
HSL	125°, 96%, 58%
HSV	125°, 82%, 98%
XYZ	36.5462, 69.9454, 16.4353
YIQ	168.3870, -62.1530, -101.6170

# Conversions

## Conversions Part 2

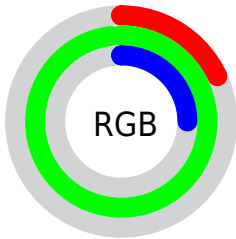
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 234, 251
Decimal	3078976
CIELab	86.97, -80.25, 71.05
CIELCh	87, 107.182, 138.482
Yxy	69.9454, 0.2973, 0.5690
Android (android.graphics.Color)	4281269056 (0xFF2EFB40)
YUV	168.3870, -51.4628, -107.3334
Hunter-Lab	83.6334, -68.3573, 46.8919

# Details

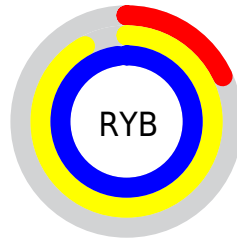
The Yxy color **69.9454, 0.2973, 0.5690** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **28.3252, 0.3396, 0.1735**, and the grayscale version is **39.6242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6172, 0.3079, 0.4938**, and **38.1399, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.3180, 0.2980, 0.5866**, and if you desaturate by 10%, it is **71.0250, 0.2974, 0.5442**.

# Distribution



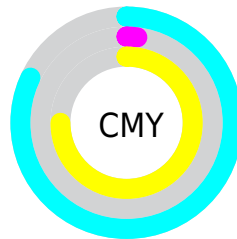
- Red (18%)
- Green (98%)
- Blue (25%)



- Red (18%)
- Yellow (92%)
- Blue (98%)



- Cyan (82%)
- Magenta (0%)
- Yellow (74%)
- Black (2%)




- Cyan (82%)
- Magenta (2%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9454, 0.2973, 0.5690 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 69.9454, 0.2973, 0.5690 by changing the saturation by 10% instead.





 69.9454, 0.2973,  
0.5690


 69.9454, 0.2973,  
0.5690


460.3583, 0.3143,  
0.4483

 51.4820, 0.2904,  
0.5973


 119.1309, 0.3055,  
0.5261


 36.5924, 0.2803,  
0.6320


 150.6218, 0.3081,  
0.5096


 24.8920, 0.2649,  
0.6745


 187.2240, 0.3099,  
0.4955

 15.9966, 0.2414,  
0.7270

 229.3219, 0.3113,  
0.4834

 9.5218, 0.2059,  
0.7941

 277.2999, 0.3123,  
0.4729

 5.0831, 0.1475,  
0.8525


331.5423, 0.3132,


 2.2961, 0.0000,


0.4637


1.0000


392.4337, 0.3138,  
0.4555


 0.7716, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 69.9454, 0.2973,  
0.5690


 69.9454, 0.2973,  
0.5690

 69.3180, 0.2980,  
0.5866


 71.0250, 0.2974,  
0.5442

 69.0587, 0.2987,  
0.5954


 72.6117, 0.2983,  
0.5141


 74.7613, 0.2999,  
0.4810

 77.5204, 0.3021,  
0.4472

 80.9304, 0.3045,  
0.4146

 85.0294, 0.3072,  
0.3843

 89.8524, 0.3098,  
0.3570

 95.4319, 0.3123,  
0.3329

 97.4797, 0.3129,  
0.3252

# Harmonies

## Analogous

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



69.9454, 0.4082, 0.5454



69.9454, 0.2973, 0.5690



69.9454, 0.1954, 0.4622

# Triad

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



69.9454, 0.2973, 0.5690



69.9454, 0.1320, 0.1611



69.9454, 0.5283, 0.2994

# Complementary

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



69.9454, 0.2973, 0.5690



28.3252, 0.3396, 0.1735

# 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.



69.9454, 0.4152, 0.2310



69.9454, 0.2973, 0.5690



69.9454, 0.1847, 0.1558

# Square

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



69.9454, 0.2973, 0.5690



69.9454, 0.1150, 0.2042



69.9454, 0.2818, 0.1801



69.9454, 0.5572, 0.3755



# Rectangle

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



69.9454, 0.2973, 0.5690



69.9454, 0.1483, 0.3539



69.9454, 0.2818, 0.1801



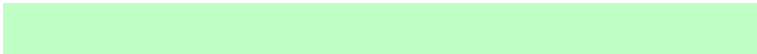
69.9454, 0.4978, 0.2755

# Sweetspot

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



69.9483, 0.2973, 0.5690



86.6559, 0.3063, 0.3939



86.6735, 0.4023, 0.5062



18.2285, 0.3054, 0.4046



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.



69.9483, 0.2973, 0.5690



71.6334, 0.2986, 0.5938



72.3132, 0.2615, 0.4454



19.3343, 0.3103, 0.3513



36.3060, 0.2984, 0.5942



3.3708, 0.2949, 0.5815



# Inverse Universe

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



28.3252, 0.3396, 0.1735



27.2431, 0.3445, 0.1677



24.1017, 0.4833, 0.2596



17.4964, 0.3152, 0.3077



13.7569, 0.3446, 0.1672

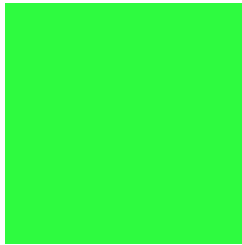


1.2817, 0.3415, 0.1655



# Previews

## White Background



This preview shows how the Yxy color 69.9454, 0.2973, 0.5690 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 69.9454, 0.2973, 0.5690 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 69.9454, 0.2973, 0.5690**

## Background



This preview shows how black text looks on a background with the Yxy color 69.9454, 0.2973, 0.5690.

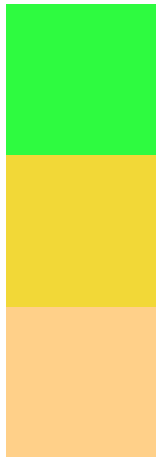


This preview shows how white text looks on a background with the Yxy color 69.9454, 0.2973, 0.5690.

# 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

69.9454, 0.2973, 0.5690

### Protanopia

68.2648, 0.4306, 0.4752

### Deuteranopia

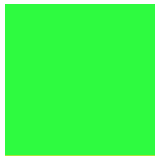
68.1779, 0.4025, 0.4017



## Tritanopia

69.3170, 0.2371, 0.3060

# Trichromacy



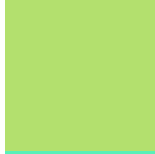
## Original Color

69.9454, 0.2973, 0.5690



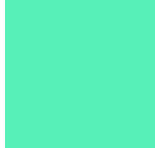
## Protanomaly

65.0020, 0.3654, 0.5212



## Deuteranomaly

64.0208, 0.3517, 0.4685



## Tritanomaly

67.8071, 0.2609, 0.4044

# Monochromacy



## Original Color

69.9454, 0.2973, 0.5690



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

46.2850, 0.3036, 0.4319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9454, 0.2973, 0.5690 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(46, 251, 64)` looks like.

```
.text, #text, p{  
    color:rgb(46, 251, 64)  
}
```

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(46, 251, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 251, 64) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9454, 0.2973, 0.5690 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(46, 251, 64) }
```

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

```
.border{ border-color:rgb(46, 251, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 251, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 251, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 251, 64);  
box-shadow:4px 4px 4px 4px rgb(46, 251,  
64) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9454, 0.2973, 0.5690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 251, 64) }
```

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

```
.background{ background-color: rgb(46, 251,  
64) }
```

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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