

# Converting Colors

Yxy(61.6346, 0.2959, 0.5614)

Have a look what the booklet for  
Yxy(61.6346, 0.2959, 0.5614)  
contains.

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# Color

**Yxy(61.5666, 0.2959, 0.5614)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EED44
RGB	46, 237, 68
RGB Percent	18%, 93%, 27%
CMY	0.8202, 0.0706, 0.7331
CMYK	0.81, 0.00, 0.71, 0.07
HSL	127°, 84%, 55%
HSV	127°, 81%, 93%
XYZ	32.4502, 61.5666, 15.6494
YIQ	160.6250, -59.5870, -93.0510

# Conversions

## Conversions Part 2

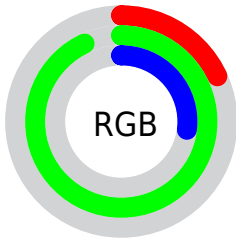
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 217, 237
Decimal	3075396
CIELab	82.68, -75.90, 65.38
CIElCh	83, 100.173, 139.258
Yxy	61.5666, 0.2959, 0.5614
Android (android.graphics.Color)	4281265476 (0xFF2EED44)
YUV	160.6250, -45.6641, -100.5261
Hunter-Lab	78.4644, -63.4911, 43.0999

# Details

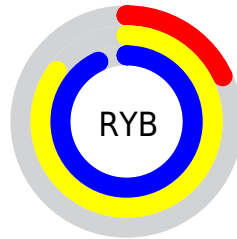
The Yxy color **61.5666, 0.2959, 0.5614** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **24.8443, 0.3453, 0.1782**, and the grayscale version is **35.6767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4363, 0.3055, 0.4922**, and **32.2402, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **60.9522, 0.2968, 0.5810**, and if you desaturate by 10%, it is **62.5805, 0.2959, 0.5355**.

# Distribution



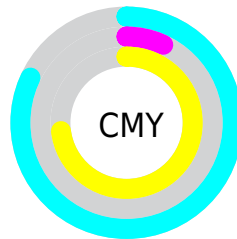
- Red (18%)
- Green (93%)
- Blue (27%)



- Red (18%)
- Yellow (85%)
- Blue (93%)



- Cyan (81%)
- Magenta (0%)
- Yellow (71%)
- Black (7%)



- Cyan (82%)
- Magenta (7%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.5666, 0.2959, 0.5614 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 61.5666, 0.2959, 0.5614 by changing the saturation by 10% instead.





 61.5666, 0.2959,  
0.5614


 61.5666, 0.2959,  
0.5614


430.3484, 0.3129,  
0.4417


 44.6826, 0.2889,  
0.5905


 107.0989, 0.3042,  
0.5181

 31.2075, 0.2785,  
0.6266


 136.5160, 0.3067,  
0.5017


 20.7569, 0.2625,  
0.6717


 170.8796, 0.3085,  
0.4878

 12.9464, 0.2379,  
0.7298

 210.5740, 0.3099,  
0.4759

 7.3917, 0.1982,  
0.8018

 255.9837, 0.3110,  
0.4656

 3.7082, 0.1259,  
0.8741

307.4931, 0.3118,

 1.5117, 0.0000,

0.4566

1.0000

365.4865, 0.3124,  
0.4487

■ 0.2970, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.5666, 0.2959,  
0.5614

■ 61.5666, 0.2959,  
0.5614

■ 60.9522, 0.2968,  
0.5810


■ 62.5805, 0.2959,  
0.5355


■ 60.6555, 0.2980,  
0.5928


■ 64.0386, 0.2969,  
0.5051

■ 65.9881, 0.2986,  
0.4725


■ 68.4678, 0.3010,  
0.4397

 71.5128, 0.3037,  
0.4083

 75.1551, 0.3067,  
0.3794

 79.4243, 0.3096,  
0.3534

 84.3482, 0.3125,  
0.3304

 89.0539, 0.3135,  
0.3117

# Harmonies

## Analogous

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



61.5666, 0.4050, 0.5431



61.5666, 0.2959, 0.5614



61.5666, 0.1962, 0.4546

# Triad

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



61.5666, 0.2959, 0.5614



61.5666, 0.1359, 0.1636



61.5666, 0.5251, 0.3025

# Complementary

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



61.5666, 0.2959, 0.5614



24.8443, 0.3453, 0.1782

# 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.



61.5666, 0.4163, 0.2346



61.5666, 0.2959, 0.5614



61.5666, 0.1891, 0.1590

# Square

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



61.5666, 0.2959, 0.5614



61.5666, 0.1183, 0.2054



61.5666, 0.2857, 0.1837



61.5666, 0.5519, 0.3781



# Rectangle

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



61.5666, 0.2959, 0.5614



61.5666, 0.1504, 0.3499



61.5666, 0.2857, 0.1837



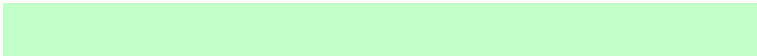
61.5666, 0.4960, 0.2788

# Sweetspot

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



61.5691, 0.2959, 0.5614



87.1757, 0.3056, 0.3890



75.6589, 0.3995, 0.5066



18.3313, 0.3046, 0.3994



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.



61.5691, 0.2959, 0.5614



71.6991, 0.2978, 0.5901



63.7083, 0.2601, 0.4384



16.8906, 0.3100, 0.3505



33.1223, 0.2976, 0.5913



2.6103, 0.2925, 0.5731



# Inverse Universe

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



24.8443, 0.3453, 0.1782



26.9317, 0.3521, 0.1721



21.3610, 0.4847, 0.2626



15.2819, 0.3156, 0.3084



12.3685, 0.3525, 0.1716

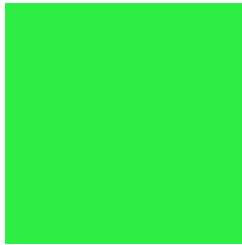


0.9798, 0.3475, 0.1688



# Previews

## White Background



This preview shows how the Yxy color 61.5666, 0.2959, 0.5614 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 61.5666, 0.2959, 0.5614 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 61.5666, 0.2959, 0.5614**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.5666, 0.2959, 0.5614.

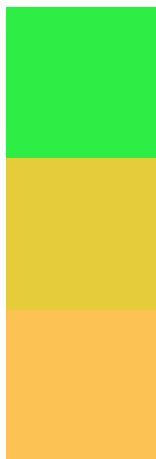


This preview shows how white text looks on a background with the Yxy color 61.5666, 0.2959, 0.5614.

# 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

61.5666, 0.2959, 0.5614

### Protanopia

59.9955, 0.4274, 0.4716

### Deuteranopia

60.1063, 0.4441, 0.4347



## Tritanopia

60.9482, 0.2373, 0.3060

# Trichromacy



## Original Color

61.5666, 0.2959, 0.5614



## Protanomaly

57.1409, 0.3635, 0.5151



## Deuteranomaly

56.1082, 0.3731, 0.4893



## Tritanomaly

59.9515, 0.2598, 0.3996

# Monochromacy



## Original Color

61.5666, 0.2959, 0.5614



## Achromatopsia

35.6400, 0.3127, 0.3290



## Achromatomaly

41.8494, 0.3022, 0.4267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.5666, 0.2959, 0.5614 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, 237, 68)` looks like.

```
.text, #text, p{  
    color:rgb(46, 237, 68)  
}
```

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, 237, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 237, 68) }
```

## Border

The CSS property to change the border of an element to Yxy 61.5666, 0.2959, 0.5614 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, 237, 68) }
```

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

```
.border{ border-color:rgb(46, 237, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 237, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 237, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 237, 68);  
box-shadow:4px 4px 4px 4px rgb(46, 237,  
68) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.5666, 0.2959, 0.5614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 237, 68) }
```

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

```
.background{ background-color: rgb(46, 237,  
68) }
```

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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