

# Converting Colors

$Y_{xy}(61.1781, 0.2746, 0.5043)$

Have a look what the booklet for  
Yxy(61.1781, 0.2746, 0.5043)  
contains.

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# Color

**Yxy(61.3854, 0.2746, 0.5043)**

# Conversions

## Conversions Part 1

Format	Color
Hex	10EC75
RGB	16, 236, 117
RGB Percent	6%, 93%, 46%
CMY	0.9354, 0.0745, 0.5412
CMYK	0.93, 0.00, 0.50, 0.07
HSL	147°, 87%, 50%
HSV	147°, 93%, 93%
XYZ	33.4254, 61.3854, 26.9132
YIQ	156.6540, -92.9210, -83.6490

# Conversions

## Conversions Part 2

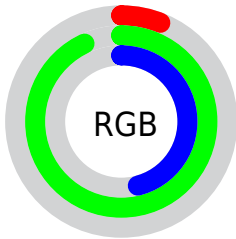
<b>Format</b>	<b>Color</b>
<b>RYB</b>	16, 167, 236
Decimal	1109109
CIELab	82.59, -72.01, 44.46
CIELCh	83, 84.631, 148.309
Yxy	61.3854, 0.2746, 0.5043
Android (android.graphics.Color)	4279299189 (0xFF10EC75)
YUV	156.6540, -19.5494, -123.3536
Hunter-Lab	78.3488, -60.9583, 34.4778

# Details

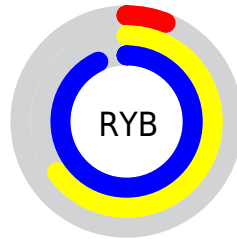
The Yxy color **61.3854, 0.2746, 0.5043** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **19.9797, 0.4662, 0.2377**, and the grayscale version is **33.7393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9710, 0.2791, 0.4360**, and **32.2224, 0.2839, 0.5422** is the 20% darker color. If you saturate the color by 10%, you get **61.0735, 0.2770, 0.5174**, and if you desaturate by 10%, it is **62.0478, 0.2723, 0.4843**.

# Distribution



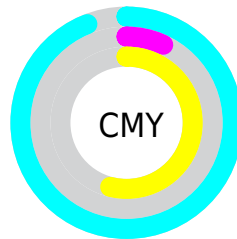
- Red (6%)
- Green (93%)
- Blue (46%)



- Red (6%)
- Yellow (65%)
- Blue (93%)



- Cyan (93%)
- Magenta (0%)
- Yellow (50%)
- Black (7%)



- Cyan (94%)
- Magenta (7%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.3854, 0.2746, 0.5043 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 61.3854, 0.2746, 0.5043 by changing the saturation by 10% instead.




 61.3854, 0.2746,  
0.5043

 61.3854, 0.2746,  
0.5043


429.6857, 0.2973,  
0.4132


 44.5363, 0.2678,  
0.5275


 106.8368, 0.2837,  
0.4707


 31.0923, 0.2586,  
0.5573


 136.2078, 0.2869,  
0.4582


 20.6692, 0.2454,  
0.5967


 170.5216, 0.2894,  
0.4477

 12.8824, 0.2257,  
0.6501

 210.1625, 0.2916,  
0.4388

 7.3476, 0.1946,  
0.7246

 255.5150, 0.2934,  
0.4310

 3.6804, 0.1439,  
0.8561

306.9634, 0.2949,

 1.4965, 0.0000,

0.4243

1.0000

364.8922, 0.2962,  
0.4184

■ 0.2862, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.3854, 0.2746,  
0.5043

■ 61.3854, 0.2746,  
0.5043


■ 61.0735, 0.2770,  
0.5174

■ 62.0478, 0.2723,  
0.4843


■ 63.0387, 0.2720,  
0.4632


■ 64.4077, 0.2736,  
0.4417


■ 66.1937, 0.2771,  
0.4205

 68.4308, 0.2820,  
0.4001

 71.1493, 0.2882,  
0.3810

 74.3769, 0.2951,  
0.3633

 78.1389, 0.3026,  
0.3473

 82.4593, 0.3104,  
0.3330

# Harmonies

## Analogous

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



61.3854, 0.3717, 0.5267



61.3854, 0.2746, 0.5043



61.3854, 0.1930, 0.3953

# Triad

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



61.3854, 0.2746, 0.5043



61.3854, 0.1670, 0.1788



61.3854, 0.5096, 0.3302

# Complementary

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



61.3854, 0.2746, 0.5043



19.9797, 0.4662, 0.2377

# 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.



61.3854, 0.4339, 0.2648



61.3854, 0.2746, 0.5043



61.3854, 0.2271, 0.1823

# Square

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



61.3854, 0.2746, 0.5043



61.3854, 0.1414, 0.2073



61.3854, 0.3230, 0.2125



61.3854, 0.5146, 0.4017



# Rectangle

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



61.3854, 0.2746, 0.5043



61.3854, 0.1589, 0.3134



61.3854, 0.3230, 0.2125



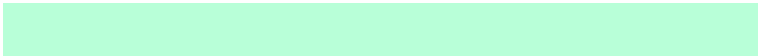
61.3854, 0.4914, 0.3075

# Sweetspot

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



61.3879, 0.2746, 0.5043



86.6341, 0.2915, 0.3721



65.3643, 0.3463, 0.5596



18.1994, 0.2886, 0.3799



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.



61.3879, 0.2746, 0.5043



72.7989, 0.2773, 0.5181



65.5411, 0.2294, 0.3433



16.9769, 0.3054, 0.3421



33.6911, 0.2762, 0.5144



2.6648, 0.2688, 0.4878



# Inverse Universe

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



19.9797, 0.4662, 0.2377



23.1018, 0.4820, 0.2429



18.2983, 0.6243, 0.3265



15.1906, 0.3208, 0.3163



10.7144, 0.4778, 0.2406

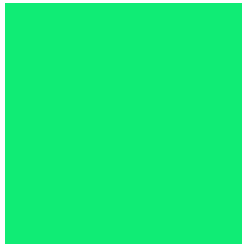


0.8607, 0.4501, 0.2253



# Previews

## White Background



This preview shows how the Yxy color 61.3854, 0.2746, 0.5043 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

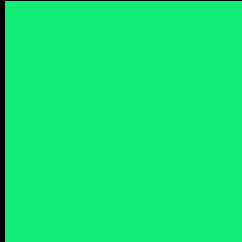
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.3854, 0.2746, 0.5043 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 61.3854, 0.2746, 0.5043**

## Background



This preview shows how black text looks on a background with the Yxy color 61.3854, 0.2746, 0.5043.



This preview shows how white text looks on a background with the Yxy color 61.3854, 0.2746, 0.5043.

# 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

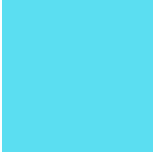
61.3854, 0.2746, 0.5043

### Protanopia

60.2339, 0.4008, 0.4370

### Deuteranopia

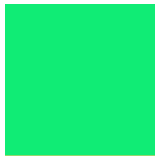
59.7349, 0.4089, 0.3991



## **Tritanopia**

60.8176, 0.2320, 0.3046

# Trichromacy



## Original Color

61.3854, 0.2746, 0.5043



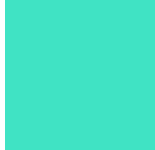
## Protanomaly

56.6271, 0.3314, 0.4720



## Deuteranomaly

54.8427, 0.3354, 0.4428



## Tritanomaly

60.0137, 0.2452, 0.3721

# Monochromacy



## Original Color

61.3854, 0.2746, 0.5043



## Achromatopsia

33.7164, 0.3127, 0.3290



## Achromatomaly

40.1350, 0.2828, 0.3999

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.3854, 0.2746, 0.5043 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(16, 236, 117)` looks like.

```
.text, #text, p{  
    color:rgb(16, 236, 117)  
}
```

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(16, 236, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 236, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 61.3854, 0.2746, 0.5043 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(16, 236, 117) }
```

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

```
.border{ border-color:rgb(16, 236, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 236, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(16, 236, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(16, 236, 117); box-shadow:4px 4px 4px 4px rgb(16, 236, 117) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.3854, 0.2746, 0.5043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 236, 117) }
```

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

```
.background{ background-color: rgb(16, 236,  
117) }
```

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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