

# Converting Colors

Yxy(61.6309, 0.3130, 0.5338)

Have a look what the booklet for  
Yxy(61.6309, 0.3130, 0.5338)  
contains.

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# Color

**Yxy(61.7555, 0.3128, 0.5334)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67E951
RGB	103, 233, 81
RGB Percent	40%, 91%, 32%
CMY	0.5963, 0.0862, 0.6821
CMYK	0.56, 0.00, 0.65, 0.09
HSL	111°, 78%, 62%
HSV	111°, 65%, 91%
XYZ	36.2151, 61.7555, 17.8065
YIQ	176.8020, -28.6880, -74.8320

# Conversions

## Conversions Part 2

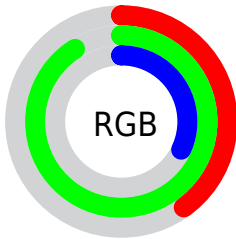
Format	Color
<a href="#">RYB</a>	<a href="#">81, 233, 211</a>
Decimal	<a href="#">6809937</a>
CIELab	<a href="#">82.78, -63.31, 60.94</a>
CIELCh	<a href="#">83, 87.875, 136.089</a>
Yxy	<a href="#">61.7555, 0.3128, 0.5334</a>
Android (android.graphics.Color)	<a href="#">4285000017 (0xFF67E951)</a>
YUV	<a href="#">176.8020, -47.2304, -64.7244</a>
Hunter-Lab	<a href="#">78.5847, -55.2630, 41.5747</a>

# Details

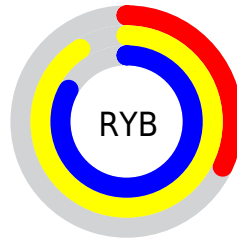
The Yxy color **61.7555, 0.3128, 0.5334** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **25.6434, 0.2972, 0.1711**, and the grayscale version is **44.1187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1901, 0.3214, 0.4700**, and **31.2978, 0.3021, 0.5899** is the 20% darker color. If you saturate the color by 10%, you get **60.4248, 0.3106, 0.5607**, and if you desaturate by 10%, it is **63.4925, 0.3143, 0.5013**.

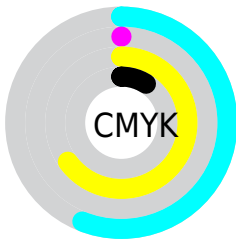
# Distribution



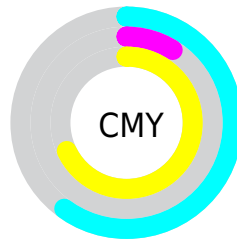
- Red (40%)
- Green (91%)
- Blue (32%)



- Red (32%)
- Yellow (91%)
- Blue (83%)



- Cyan (56%)
- Magenta (0%)
- Yellow (65%)
- Black (9%)




- Cyan (60%)
- Magenta (9%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.7555, 0.3128, 0.5334 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 61.7555, 0.3128, 0.5334 by changing the saturation by 10% instead.





 61.7555, 0.3128,  
0.5334

 61.7555, 0.3128,  
0.5334


431.0387, 0.3199,  
0.4292

 44.8352, 0.3087,  
0.5587


 107.3721, 0.3171,  
0.4958

 31.3276, 0.3021,  
0.5902

 136.8371, 0.3183,  
0.4815

 20.8484, 0.2913,  
0.6300


 171.2525, 0.3190,  
0.4694

 13.0133, 0.2729,  
0.6802

 211.0027, 0.3194,  
0.4590

 7.4377, 0.2450,  
0.7550

 256.4720, 0.3197,  
0.4501

 3.7373, 0.1856,  
0.8144

308.0448, 0.3199,

 1.5277, 0.0000,

0.4422

1.0000

366.1056, 0.3199,  
0.4353

■ 0.3081, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.7555, 0.3128,  
0.5334

■ 61.7555, 0.3128,  
0.5334

■ 60.4248, 0.3106,  
0.5607

■ 63.4925, 0.3143,  
0.5013

■ 59.4595, 0.3078,  
0.5811


■ 65.6573, 0.3152,  
0.4669

■ 58.8232, 0.3047,  
0.5935

■ 68.2792, 0.3153,  
0.4325


■ 58.6153, 0.3035,  
0.5972

■ 71.3824, 0.3150,  
0.3996

 74.9898, 0.3143,  
0.3693

 79.1224, 0.3133,  
0.3420

 83.8002, 0.3122,  
0.3178

 86.7625, 0.3137,  
0.3078

# Harmonies

## Analogous

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



61.7555, 0.4114, 0.5165



61.7555, 0.3128, 0.5334



61.7555, 0.2191, 0.4509

# Triad

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



61.7555, 0.3128, 0.5334



61.7555, 0.1484, 0.1819



61.7555, 0.4925, 0.3011

# Complementary

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



61.7555, 0.3128, 0.5334



25.6434, 0.2972, 0.1711

# 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.



61.7555, 0.3923, 0.2387



61.7555, 0.3128, 0.5334



61.7555, 0.1948, 0.1734

# Square

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



61.7555, 0.3128, 0.5334



61.7555, 0.1356, 0.2268



61.7555, 0.2788, 0.1936



61.7555, 0.5278, 0.3718



# Rectangle

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



61.7555, 0.3128, 0.5334



61.7555, 0.1732, 0.3630



61.7555, 0.2788, 0.1936



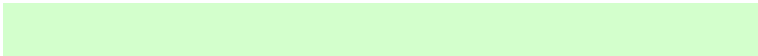
61.7555, 0.4643, 0.2791

# Sweetspot

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



61.7581, 0.3128, 0.5334



89.7799, 0.3147, 0.3837



64.1198, 0.4174, 0.4599



18.9540, 0.3148, 0.3924



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.



61.7581, 0.3128, 0.5334



73.7264, 0.3097, 0.5680



61.7624, 0.2808, 0.4706



16.9662, 0.3137, 0.3532



33.2888, 0.3041, 0.5968



2.6464, 0.3115, 0.5909



# Inverse Universe

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



25.6434, 0.2972, 0.1711



26.2824, 0.2924, 0.1509



26.5069, 0.3823, 0.2263



15.1974, 0.3115, 0.3056



10.3034, 0.2848, 0.1343

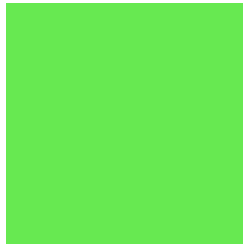


0.8391, 0.2901, 0.1372



# Previews

## White Background



This preview shows how the Yxy color 61.7555, 0.3128, 0.5334 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 61.7555, 0.3128, 0.5334 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

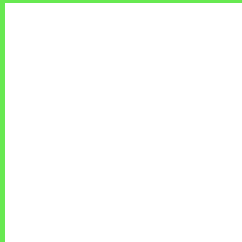
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.7555, 0.3128, 0.5334**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.7555, 0.3128, 0.5334.

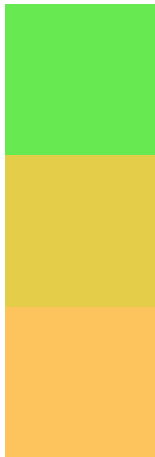


This preview shows how white text looks on a background with the Yxy color 61.7555, 0.3128, 0.5334.

# 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**

61.7555, 0.3128, 0.5334

**Protanopia**

60.6377, 0.4208, 0.4637

**Deuteranopia**

60.7032, 0.4381, 0.4290



## Tritanopia

61.3498, 0.2509, 0.3066

# Trichromacy



## Original Color

61.7555, 0.3128, 0.5334



## Protanomaly

59.1900, 0.3755, 0.4924



## Deuteranomaly

58.3280, 0.3850, 0.4689



## Tritanomaly

60.2816, 0.2750, 0.3873

# Monochromacy



## Original Color

61.7555, 0.3128, 0.5334



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

48.3695, 0.3152, 0.4073

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.7555, 0.3128, 0.5334 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(103, 233, 81)` looks like.

```
.text, #text, p{  
    color:rgb(103, 233, 81)  
}
```

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(103, 233, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 233, 81) }
```

## Border

The CSS property to change the border of an element to Yxy 61.7555, 0.3128, 0.5334 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(103, 233, 81) }
```

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

```
.border{ border-color:rgb(103, 233, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 233, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 233, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 233, 81);  
box-shadow:4px 4px 4px 4px rgb(103, 233,  
81) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.7555, 0.3128, 0.5334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 233, 81) }
```

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

```
.background{ background-color: rgb(103,  
233, 81) }
```

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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