

# Converting Colors

$Y_{xy}(59.5156, 0.2412, 0.5124)$

Have a look what the booklet for  
Yxy(59.5156, 0.2412, 0.5124)  
contains.

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# Color

**Yxy(62.5791, 0.2716, 0.4977)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00EE7B
RGB	0, 238, 123
RGB Percent	0%, 93%, 48%
CMY	0.9991, 0.0667, 0.5178
CMYK	1.00, 0.00, 0.48, 0.07
HSL	151°, 100%, 47%
HSV	151°, 100%, 93%
XYZ	34.1501, 62.5791, 29.0074
YIQ	153.7280, -104.9330, -86.2210

# Conversions

## Conversions Part 2

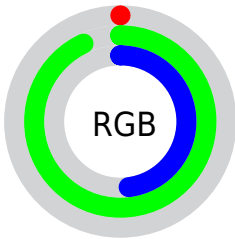
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 157, 238
Decimal	61051
CIELab	83.22, -72.22, 42.38
CIELCh	83, 83.733, 149.594
Yxy	62.5791, 0.2716, 0.4977
Android (android.graphics.Color)	4278251131 (0xFF00EE7B)
YUV	153.7280, -15.1489, -134.8195
Hunter-Lab	79.1070, -61.3797, 33.6340

# Details

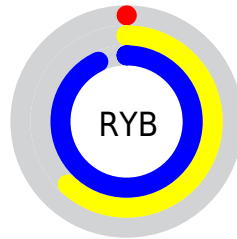
The Yxy color **62.5791, 0.2716, 0.4977** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark washed spring green. A complement of this color would be **19.4265, 0.5061, 0.2562**, and the grayscale version is **32.3224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0738, 0.2756, 0.4282**, and **33.0974, 0.2817, 0.5340** is the 20% darker color. If you saturate the color by 10%, you get **62.5774, 0.2716, 0.4979**, and if you desaturate by 10%, it is **63.0802, 0.2685, 0.4800**.

# Distribution



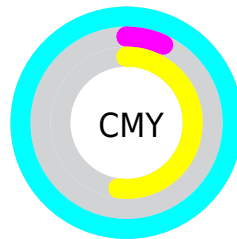
- Red (0%)
- Green (93%)
- Blue (48%)



- Red (0%)
- Yellow (62%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (7%)




- Cyan (100%)
- Magenta (7%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5791, 0.2716, 0.4977 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 62.5791, 0.2716, 0.4977 by changing the saturation by 10% instead.





 62.5791, 0.2716,  
0.4977


 62.5791, 0.2716,  
0.4977


434.0403, 0.2953,  
0.4104


 45.5008, 0.2648,  
0.5199

 108.5621, 0.2809,  
0.4655


 31.8521, 0.2556,  
0.5485


 138.2355, 0.2842,  
0.4536

 21.2485, 0.2426,  
0.5862


 172.8761, 0.2869,  
0.4435

 13.3058, 0.2235,  
0.6376

 212.8682, 0.2892,  
0.4349

 7.6395, 0.1935,  
0.7095

 258.5963, 0.2911,  
0.4275

 3.8651, 0.1497,  
0.8503

310.4448, 0.2927,

 1.5984, 0.0000,

0.4210

1.0000

368.7980, 0.2941,  
0.4154

■ 0.3565, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.5791, 0.2716,  
0.4977

■ 62.5791, 0.2716,  
0.4977

■ 62.5774, 0.2716,  
0.4979

■ 63.0802, 0.2685,  
0.4800

■ 63.8504, 0.2672,  
0.4614

■ 64.9663, 0.2679,  
0.4422

■ 66.4725, 0.2705,  
0.4231

■ 68.4066, 0.2750,  
0.4044

■ 70.8016, 0.2809,  
0.3867

■ 73.6871, 0.2880,  
0.3702

■ 77.0903, 0.2958,  
0.3550

■ 81.0361, 0.3042,  
0.3412

# Harmonies

## Analogous

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



62.5791, 0.3674, 0.5244



62.5791, 0.2716, 0.4977



62.5791, 0.1922, 0.3888

# Triad

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



62.5791, 0.2716, 0.4977



62.5791, 0.1707, 0.1804



62.5791, 0.5081, 0.3336

# Complementary

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



62.5791, 0.2716, 0.4977



19.4265, 0.5061, 0.2562

# 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.



62.5791, 0.4362, 0.2684



62.5791, 0.2716, 0.4977



62.5791, 0.2318, 0.1849

# Square

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



62.5791, 0.2716, 0.4977



62.5791, 0.1440, 0.2072



62.5791, 0.3276, 0.2158



62.5791, 0.5105, 0.4045



# Rectangle

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



62.5791, 0.2716, 0.4977



62.5791, 0.1595, 0.3093



62.5791, 0.3276, 0.2158



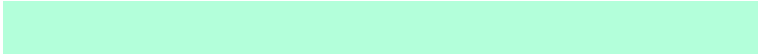
62.5791, 0.4912, 0.3110

# Sweetspot

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



62.5816, 0.2716, 0.4977



86.1057, 0.2878, 0.3705



65.0815, 0.3356, 0.5717



18.1102, 0.2847, 0.3773



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.



62.5816, 0.2716, 0.4977



73.1759, 0.2718, 0.4985



67.3255, 0.2247, 0.3287



17.7927, 0.3045, 0.3407



34.9372, 0.2709, 0.4951



2.9266, 0.2643, 0.4716



# Inverse Universe

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



19.4265, 0.5061, 0.2562



22.6992, 0.5071, 0.2567



18.1832, 0.6399, 0.3300



15.8863, 0.3217, 0.3176



10.8593, 0.5027, 0.2543

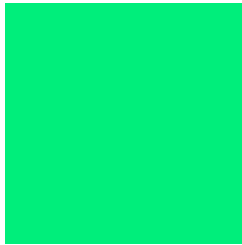


0.9234, 0.4724, 0.2376



# Previews

## White Background



This preview shows how the Yxy color 62.5791, 0.2716, 0.4977 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 62.5791, 0.2716, 0.4977 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 62.5791, 0.2716, 0.4977**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.5791, 0.2716, 0.4977.

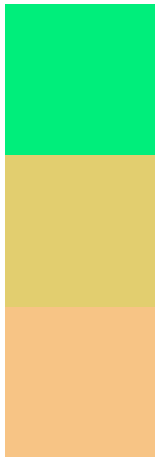


This preview shows how white text looks on a background with the Yxy color 62.5791, 0.2716, 0.4977.

# 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

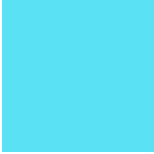
62.5791, 0.2716, 0.4977

### Protanopia

61.4591, 0.3974, 0.4337

### Deuteranopia

60.9475, 0.4049, 0.3959



## Tritanopia

62.4952, 0.2318, 0.3061

# Trichromacy



## Original Color

62.5791, 0.2716, 0.4977



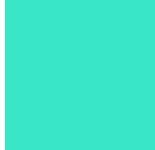
## Protanomaly

57.3099, 0.3247, 0.4691



## Deuteranomaly

55.3416, 0.3272, 0.4400



## Tritanomaly

61.5870, 0.2432, 0.3717

# Monochromacy



## Original Color

62.5791, 0.2716, 0.4977



## Achromatopsia

32.3143, 0.3127, 0.3290



## Achromatomaly

39.2778, 0.2769, 0.3978

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  62.5791, 0.2716, 0.4977 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(0, 238, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 238, 123)  
}
```

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(0, 238, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 238, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 62.5791, 0.2716, 0.4977 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(0, 238, 123) }
```

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

```
.border{ border-color:rgb(0, 238, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 238, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 238, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 238, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 238,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.5791, 0.2716, 0.4977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 238, 123) }
```

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

```
.background{ background-color: rgb(0, 238,  
123) }
```

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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