

# Converting Colors

$Yxy(62.2737, 0.2684, 0.4862)$

Have a look what the booklet for  
Yxy(62.2737, 0.2684, 0.4862)  
contains.

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# Color

**Yxy(62.1801, 0.2685, 0.4865)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00ED82
RGB	0, 237, 130
RGB Percent	0%, 93%, 51%
CMY	0.9984, 0.0706, 0.4902
CMYK	1.00, 0.00, 0.45, 0.07
HSL	153°, 100%, 47%
HSV	153°, 100%, 93%
XYZ	34.3173, 62.1801, 31.3137
YIQ	153.9390, -106.9050, -83.5210

# Conversions

## Conversions Part 2

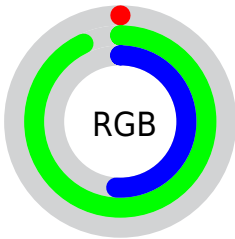
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 153, 237
Decimal	60802
CIELab	83.01, -70.73, 38.69
CIELCh	83, 80.618, 151.319
Yxy	62.1801, 0.2685, 0.4865
Android (android.graphics.Color)	4278250882 (0xFF00ED82)
YUV	153.9390, -11.8019, -135.0045
Hunter-Lab	78.8544, -60.3122, 31.6535

# Details

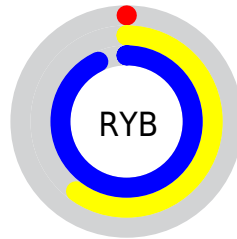
The Yxy color **62.1801, 0.2685, 0.4865** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **19.0832, 0.5193, 0.2635**, and the grayscale version is **32.4308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3602, 0.2724, 0.4188**, and **32.8047, 0.2777, 0.5195** is the 20% darker color. If you saturate the color by 10%, you get **62.1751, 0.2686, 0.4868**, and if you desaturate by 10%, it is **62.6785, 0.2656, 0.4697**.

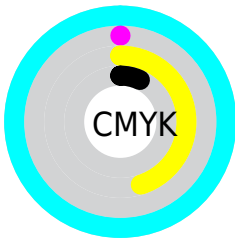
# Distribution



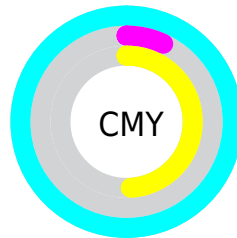
- Red (0%)
- Green (93%)
- Blue (51%)



- Red (0%)
- Yellow (60%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (7%)




- Cyan (100%)
- Magenta (7%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1801, 0.2685, 0.4865 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 62.1801, 0.2685, 0.4865 by changing the saturation by 10% instead.




 62.1801, 0.2685,  
0.4865

 62.1801, 0.2685,  
0.4865


432.5877, 0.2932,  
0.4050


 45.1782, 0.2616,  
0.5073


 107.9858, 0.2780,  
0.4565


 31.5978, 0.2525,  
0.5341


 137.5584, 0.2814,  
0.4453

 21.0545, 0.2398,  
0.5696


 172.0900, 0.2842,  
0.4359

 13.1639, 0.2212,  
0.6185

 211.9651, 0.2866,  
0.4279

 7.5415, 0.1925,  
0.6881

 257.5681, 0.2886,  
0.4210

 3.8030, 0.1521,  
0.8329

309.2832, 0.2903,

 1.5640, 0.0000,

0.4150

1.0000

367.4950, 0.2918,  
0.4097

■ 0.3331, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.1801, 0.2685,  
0.4865

■ 62.1801, 0.2685,  
0.4865

■ 62.1751, 0.2686,  
0.4868

■ 62.6785, 0.2656,  
0.4697

■ 63.4405, 0.2645,  
0.4521

■ 64.5412, 0.2655,  
0.4342

■ 66.0244, 0.2684,  
0.4164

■ 67.9271, 0.2731,  
0.3991

■ 70.2817, 0.2794,  
0.3826

■ 73.1173, 0.2868,  
0.3672

■ 76.4607, 0.2950,  
0.3531

■ 80.3365, 0.3038,  
0.3403

# Harmonies

## Analogous

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



62.1801, 0.3615, 0.5186



62.1801, 0.2685, 0.4865



62.1801, 0.1927, 0.3799

# Triad

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



62.1801, 0.2685, 0.4865



62.1801, 0.1771, 0.1839



62.1801, 0.5036, 0.3382

# Complementary

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



62.1801, 0.2685, 0.4865



19.0832, 0.5193, 0.2635

# 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.



62.1801, 0.4375, 0.2739



62.1801, 0.2685, 0.4865



62.1801, 0.2389, 0.1898

# Square

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



62.1801, 0.2685, 0.4865



62.1801, 0.1490, 0.2085



62.1801, 0.3335, 0.2215



62.1801, 0.5029, 0.4079



# Rectangle

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



62.1801, 0.2685, 0.4865



62.1801, 0.1620, 0.3046



62.1801, 0.3335, 0.2215



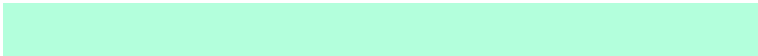
62.1801, 0.4885, 0.3160

# Sweetspot

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



62.1826, 0.2685, 0.4865



86.2330, 0.2866, 0.3677



63.9366, 0.3312, 0.5751



18.1403, 0.2833, 0.3741



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.



62.1826, 0.2685, 0.4865



73.4041, 0.2687, 0.4874



62.2182, 0.2218, 0.3184



17.0002, 0.3041, 0.3399



33.9723, 0.2678, 0.4841



2.6870, 0.2613, 0.4606



# Inverse Universe

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



19.0832, 0.5193, 0.2635



22.5051, 0.5207, 0.2642



18.1853, 0.6381, 0.3314



15.1673, 0.3222, 0.3184



10.4371, 0.5158, 0.2615

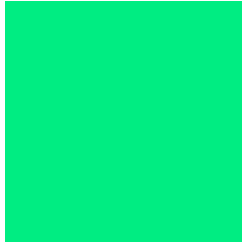


0.8387, 0.4820, 0.2429



# Previews

## White Background



This preview shows how the Yxy color 62.1801, 0.2685, 0.4865 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 62.1801, 0.2685, 0.4865 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

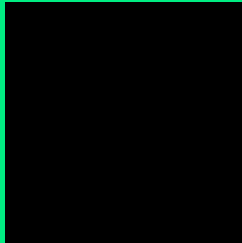
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.1801, 0.2685, 0.4865**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.1801, 0.2685, 0.4865.



This preview shows how white text looks on a background with the Yxy color 62.1801, 0.2685, 0.4865.

# 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

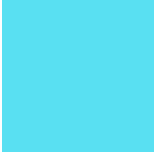
62.1801, 0.2685, 0.4865

### Protanopia

60.9782, 0.3925, 0.4262

### Deuteranopia

60.7858, 0.3978, 0.3892



## **Tritanopia**

61.8460, 0.2316, 0.3060

# Trichromacy



## Original Color

62.1801, 0.2685, 0.4865



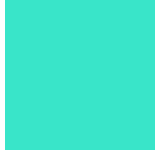
## Protanomaly

56.8705, 0.3202, 0.4593



## Deuteranomaly

55.4340, 0.3221, 0.4308



## Tritanomaly

61.1255, 0.2420, 0.3675

# Monochromacy



## Original Color

62.1801, 0.2685, 0.4865



## Achromatopsia

32.3143, 0.3127, 0.3290



## Achromatomaly

38.9220, 0.2754, 0.3929

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.1801, 0.2685, 0.4865 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, 237, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 130)  
}
```

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, 237, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 62.1801, 0.2685, 0.4865 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, 237, 130) }
```

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

```
.border{ border-color:rgb(0, 237, 130) }
```

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

Here you see how a box with a 4 pixel rgb(0, 237, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.1801, 0.2685, 0.4865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 130) }
```

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

```
.background{ background-color: rgb(0, 237,  
130) }
```

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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