

# Converting Colors

$Yxy(63.1627, 0.2628, 0.4662)$

Have a look what the booklet for  
Yxy(63.1627, 0.2628, 0.4662)  
contains.

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# Color

**Yxy(63.1627, 0.2628, 0.4662)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00EE90
RGB	0, 238, 144
RGB Percent	0%, 93%, 56%
CMY	1.0000, 0.0666, 0.4351
CMYK	1.00, 0.00, 0.39, 0.07
HSL	156°, 100%, 47%
HSV	156°, 100%, 93%
XYZ	35.6052, 63.1627, 36.7162
YIQ	156.1220, -111.6740, -79.6900

# Conversions

## Conversions Part 2

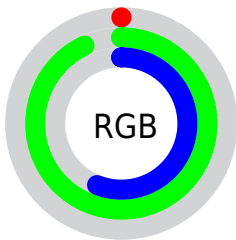
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 148, 238
Decimal	61072
CIELab	83.53, -68.56, 32.39
CIELCh	84, 75.830, 154.712
Yxy	63.1627, 0.2628, 0.4662
Android (android.graphics.Color)	4278251152 (0xFF00EE90)
YUV	156.1220, -5.9761, -136.9190
Hunter-Lab	79.4750, -59.1122, 28.2414

# Details

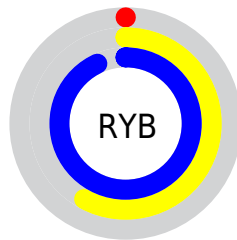
The Yxy color **63.1627, 0.2628, 0.4662** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **18.9862, 0.5439, 0.2770**, and the grayscale version is **33.3719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0230, 0.2656, 0.3988**, and **33.4152, 0.2713, 0.4967** is the 20% darker color. If you saturate the color by 10%, you get **63.1691, 0.2628, 0.4662**, and if you desaturate by 10%, it is **63.6604, 0.2604, 0.4513**.

# Distribution



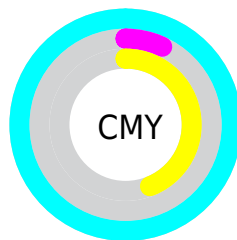
- Red (0%)
- Green (93%)
- Blue (56%)



- Red (0%)
- Yellow (58%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (7%)




- Cyan (100%)
- Magenta (7%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.1627, 0.2628, 0.4662 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 63.1627, 0.2628, 0.4662 by changing the saturation by 10% instead.





 63.1627, 0.2628,  
0.4662


 63.1627, 0.2628,  
0.4662


436.1597, 0.2892,  
0.3958


 45.9728, 0.2559,  
0.4841


 109.4042, 0.2727,  
0.4403


 32.2244, 0.2468,  
0.5072


 139.2246, 0.2763,  
0.4307

 21.5330, 0.2345,  
0.5379

 174.0241, 0.2793,  
0.4225

 13.5141, 0.2171,  
0.5804

 214.1869, 0.2819,  
0.4156

 7.7835, 0.1909,  
0.6420

 260.0974, 0.2841,  
0.4096

 3.9567, 0.1505,  
0.7423

312.1402, 0.2860,

 1.6494, 0.0000,

0.4044

1.0000

370.6995, 0.2877,  
0.3998

■ 0.3906, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.1627, 0.2628,  
0.4662

■ 63.1627, 0.2628,  
0.4662

■ 63.1691, 0.2628,  
0.4662

■ 63.6604, 0.2604,  
0.4513

■ 64.4114, 0.2597,  
0.4359

■ 65.4965, 0.2610,  
0.4203

■ 66.9600, 0.2644,  
0.4049

■ 68.8391, 0.2696,  
0.3900

■ 71.1663, 0.2764,  
0.3758

■ 73.9709, 0.2844,  
0.3625

■ 77.2796, 0.2933,  
0.3502

■ 81.1171, 0.3028,  
0.3390

# Harmonies

## Analogous

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



63.1627, 0.3505, 0.5070



63.1627, 0.2628, 0.4662



63.1627, 0.1937, 0.3645

# Triad

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



63.1627, 0.2628, 0.4662



63.1627, 0.1892, 0.1906



63.1627, 0.4951, 0.3467

# Complementary

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



63.1627, 0.2628, 0.4662



18.9862, 0.5439, 0.2770

# 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.



63.1627, 0.4392, 0.2840



63.1627, 0.2628, 0.4662



63.1627, 0.2522, 0.1990

# Square

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



63.1627, 0.2628, 0.4662



63.1627, 0.1586, 0.2112



63.1627, 0.3439, 0.2319



63.1627, 0.4890, 0.4135



# Rectangle

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



63.1627, 0.2628, 0.4662



63.1627, 0.1667, 0.2965



63.1627, 0.3439, 0.2319



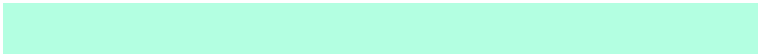
63.1627, 0.4831, 0.3251

# Sweetspot

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



63.1691, 0.2628, 0.4662



86.4694, 0.2843, 0.3626



63.5980, 0.3230, 0.5817



18.1965, 0.2808, 0.3681



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.



63.1691, 0.2628, 0.4662



73.8639, 0.2630, 0.4667



54.3720, 0.2158, 0.2968



17.8171, 0.3034, 0.3385



35.2652, 0.2622, 0.4639



2.9533, 0.2567, 0.4441



# Inverse Universe

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



18.9862, 0.5439, 0.2770



22.1932, 0.5448, 0.2775



18.8238, 0.6336, 0.3351



15.8622, 0.3231, 0.3197



10.6153, 0.5398, 0.2747

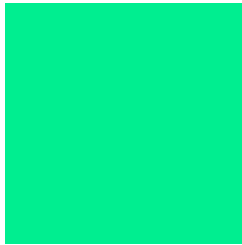


0.9021, 0.5048, 0.2554



# Previews

## White Background



This preview shows how the Yxy color 63.1627, 0.2628, 0.4662 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

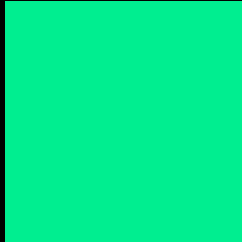
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.1627, 0.2628, 0.4662 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

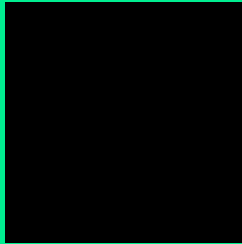
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

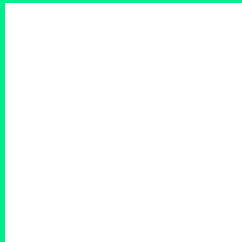
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.1627, 0.2628, 0.4662**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.1627, 0.2628, 0.4662.

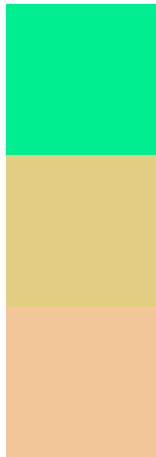


This preview shows how white text looks on a background with the Yxy color 63.1627, 0.2628, 0.4662.

# 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

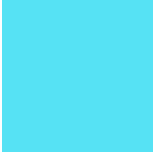
63.1627, 0.2628, 0.4662

### Protanopia

61.7889, 0.3830, 0.4136

### Deuteranopia

61.7428, 0.3850, 0.3779



## **Tritanopia**

62.9028, 0.2305, 0.3061

# Trichromacy



## Original Color

63.1627, 0.2628, 0.4662



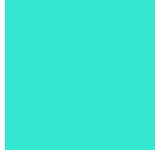
## Protanomaly

57.7600, 0.3120, 0.4413



## Deuteranomaly

56.7591, 0.3122, 0.4139



## Tritanomaly

61.9599, 0.2389, 0.3588

# Monochromacy



## Original Color

63.1627, 0.2628, 0.4662



## Achromatopsia

33.2452, 0.3127, 0.3290



## Achromatomaly

40.0375, 0.2719, 0.3837

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.1627, 0.2628, 0.4662 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, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 238, 144)  
}
```

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, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 238, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 63.1627, 0.2628, 0.4662 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, 144) }
```

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

```
.border{ border-color:rgb(0, 238, 144) }
```

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, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 238, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 238, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 238,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.1627, 0.2628, 0.4662 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, 144) }
```

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

```
.background{ background-color: rgb(0, 238,  
144) }
```

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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