

# Converting Colors

Yxy(64.4142, 0.2599, 0.4555)

Have a look what the booklet for  
Yxy(64.4142, 0.2599, 0.4555)  
contains.

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# Color

**Yxy(64.5936, 0.2600, 0.4560)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 00F098                        |
| RGB         | 0, 240, 152                   |
| RGB Percent | 0%, 94%, 60%                  |
| CMY         | 1.0000, 0.0588, 0.4039        |
| CMYK        | 1.00, 0.00, 0.37, 0.06        |
| HSL         | 158°, 100%, 47%               |
| HSV         | 158°, 100%, 94%               |
| XYZ         | 36.8297, 64.5936, 40.2293     |
| YIQ         | 158.2080, -114.7920, -78.2480 |

# Conversions

## Conversions Part 2

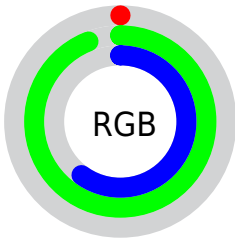
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 0, 147, 240                     |
| Decimal                             | 61592                           |
| CIELab                              | 84.27, -67.69, 29.37            |
| CIELCh                              | 84, 73.791, 156.543             |
| Yxy                                 | 64.5936, 0.2600,<br>0.4560      |
| Android<br>(android.graphics.Color) | 4278251672<br>(0xFF00F098)      |
| YUV                                 | 158.2080, -3.0605,<br>-138.7484 |
| Hunter-Lab                          | 80.3701, -58.8500,<br>26.5814   |

# Details

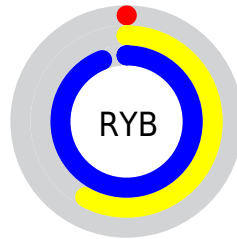
The Yxy color **64.5936, 0.2600, 0.4560** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **19.2330, 0.5553, 0.2833**, and the grayscale version is **34.3486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4045, 0.2620, 0.3883**, and **34.3760, 0.2677, 0.4835** is the 20% darker color. If you saturate the color by 10%, you get **64.5965, 0.2600, 0.4560**, and if you desaturate by 10%, it is **65.0899, 0.2578, 0.4421**.

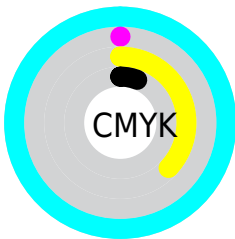
# Distribution



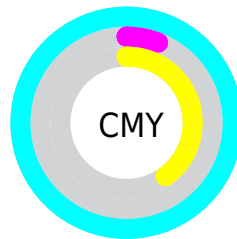
- Red (0%)
- Green (94%)
- Blue (60%)



- Red (0%)
- Yellow (58%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (6%)




- Cyan (100%)
- Magenta (6%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5936, 0.2600, 0.4560 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 64.5936, 0.2600, 0.4560 by changing the saturation by 10% instead.




 64.5936, 0.2600,  
0.4560

 64.5936, 0.2600,  
0.4560


441.3301, 0.2872,  
0.3913


 47.1316, 0.2530,  
0.4723


 111.4654, 0.2700,  
0.4323


 33.1397, 0.2440,  
0.4934


 141.6440, 0.2738,  
0.4234


 22.2335, 0.2320,  
0.5213


 176.8302, 0.2769,  
0.4160

 14.0286, 0.2151,  
0.5598

 217.4085, 0.2796,  
0.4096

 8.1405, 0.1903,  
0.6159

 263.7632, 0.2819,  
0.4041

 4.1850, 0.1515,  
0.7021

316.2788, 0.2839,

 1.7776, 0.0000,

0.3993

1.0000

375.3397, 0.2856,  
0.3950

■ 0.4731, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.5936, 0.2600,  
0.4560

■ 64.5936, 0.2600,  
0.4560


■ 64.5965, 0.2600,  
0.4560


■ 65.0899, 0.2578,  
0.4421


■ 65.8452, 0.2573,  
0.4278


■ 66.9380, 0.2589,  
0.4135

■ 68.4133, 0.2625,  
0.3992

 70.3090, 0.2679,  
0.3854

 72.6583, 0.2750,  
0.3723

 75.4908, 0.2833,  
0.3600

 78.8338, 0.2925,  
0.3487

 82.7124, 0.3024,  
0.3383

# Harmonies

## Analogous

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



64.5936, 0.3449, 0.5005



64.5936, 0.2600, 0.4560



64.5936, 0.1944, 0.3572

# Triad

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



64.5936, 0.2600, 0.4560



64.5936, 0.1955, 0.1941



64.5936, 0.4905, 0.3509

# Complementary

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



64.5936, 0.2600, 0.4560



19.2330, 0.5553, 0.2833

# 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.



64.5936, 0.4397, 0.2892



64.5936, 0.2600, 0.4560



64.5936, 0.2589, 0.2038

# Square

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



64.5936, 0.2600, 0.4560



64.5936, 0.1636, 0.2126



64.5936, 0.3490, 0.2373



64.5936, 0.4818, 0.4161



# Rectangle

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



64.5936, 0.2600, 0.4560



64.5936, 0.1692, 0.2927



64.5936, 0.3490, 0.2373



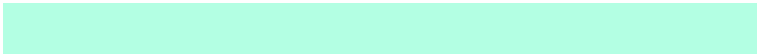
64.5936, 0.4800, 0.3297

# Sweetspot

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



64.5965, 0.2600, 0.4560



86.5873, 0.2832, 0.3601



64.6052, 0.3212, 0.5832



18.2246, 0.2796, 0.3652



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.



64.5965, 0.2600, 0.4560



74.1103, 0.2601, 0.4564



53.3863, 0.2142, 0.2912



17.8249, 0.3030, 0.3378



35.3822, 0.2594, 0.4538



2.9626, 0.2543, 0.4354



# Inverse Universe

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



19.2330, 0.5553, 0.2833



22.0595, 0.5561, 0.2837



19.3587, 0.6319, 0.3365



15.8547, 0.3236, 0.3204



10.5503, 0.5511, 0.2809



0.8962, 0.5150, 0.2611



# Previews

## White Background



This preview shows how the Yxy color 64.5936, 0.2600, 0.4560 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

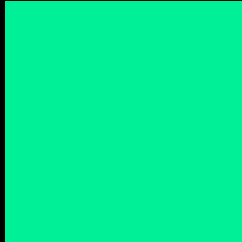
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.5936, 0.2600, 0.4560 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

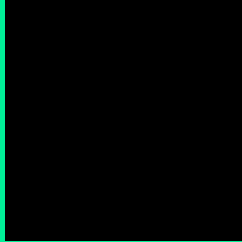
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.5936, 0.2600, 0.4560**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.5936, 0.2600, 0.4560.

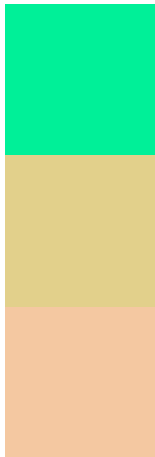


This preview shows how white text looks on a background with the Yxy color 64.5936, 0.2600, 0.4560.

# 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

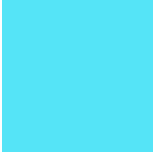
64.5872, 0.2600, 0.4560

### Protanopia

63.1446, 0.3773, 0.4067

### Deuteranopia

63.1149, 0.3788, 0.3712



## **Tritanopia**

64.1335, 0.2296, 0.3050

# Trichromacy



## Original Color

64.5872, 0.2600, 0.4560



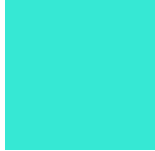
## Protanomaly

59.1293, 0.3079, 0.4321



## Deuteranomaly

58.0381, 0.3071, 0.4051



## Tritanomaly

63.2510, 0.2377, 0.3558

# Monochromacy



## Original Color

64.5872, 0.2600, 0.4560



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

41.1334, 0.2709, 0.3797

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.5936, 0.2600, 0.4560 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, 240, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 152)  
}
```

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, 240, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 64.5936, 0.2600, 0.4560 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, 240, 152) }
```

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

```
.border{ border-color:rgb(0, 240, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.5936, 0.2600, 0.4560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 152) }
```

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

```
.background{ background-color: rgb(0, 240,  
152) }
```

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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