

# Converting Colors

$Y_{xy}(65.8150, 0.2443, 0.3995)$

Have a look what the booklet for  
Yxy(65.8150, 0.2443, 0.3995)  
contains.

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# Color

**Yxy(65.9943, 0.2444, 0.3997)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01F0BD
RGB	1, 240, 189
RGB Percent	0%, 94%, 74%
CMY	0.9972, 0.0588, 0.2588
CMYK	1.00, 0.00, 0.21, 0.06
HSL	167°, 99%, 47%
HSV	167°, 100%, 94%
XYZ	40.3528, 65.9943, 58.7625
YIQ	162.7250, -126.0730, -66.5290

# Conversions

## Conversions Part 2

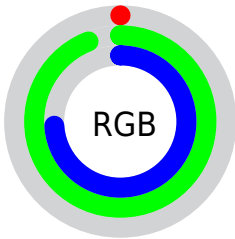
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 135, 240
Decimal	127165
CIELab	84.99, -59.52, 11.29
CIELCh	85, 60.586, 169.257
Yxy	65.9943, 0.2444, 0.3997
Android (android.graphics.Color)	4278317245 (0xFF01F0BD)
YUV	162.7250, 12.9536, -141.8328
Hunter-Lab	81.2369, -53.4983, 13.9785

# Details

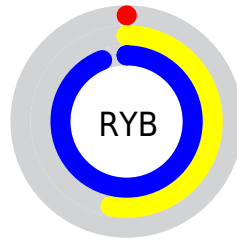
The Yxy color **65.9943, 0.2444, 0.3997** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **18.7853, 0.6067, 0.3118**, and the grayscale version is **36.4291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6233, 0.2464, 0.3405**, and **35.6445, 0.2484, 0.4141** is the 20% darker color. If you saturate the color by 10%, you get **65.9856, 0.2444, 0.3999**, and if you desaturate by 10%, it is **66.4214, 0.2437, 0.3919**.

# Distribution



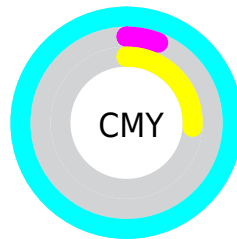
- Red (0%)
- Green (94%)
- Blue (74%)



- Red (0%)
- Yellow (53%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (6%)




- Cyan (100%)
- Magenta (6%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9943, 0.2444, 0.3997 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 65.9943, 0.2444, 0.3997 by changing the saturation by 10% instead.





 65.9943, 0.2444,  
0.3997


 65.9943, 0.2444,  
0.3997


446.3565, 0.2770,  
0.3650

 48.2678, 0.2367,  
0.4081


 113.4782, 0.2559,  
0.3873


 34.0390, 0.2272,  
0.4188

 144.0043, 0.2603,  
0.3826


 22.9236, 0.2149,  
0.4327


 179.5657, 0.2641,  
0.3785

 14.5371, 0.1987,  
0.4516

 220.5469, 0.2674,  
0.3751

 8.4951, 0.1764,  
0.4786

 267.3321, 0.2702,  
0.3721

 4.4134, 0.1441,  
0.5200


320.3059, 0.2728,

 1.9074, 0.0408,


0.3695


0.6252


379.8525, 0.2750,  
0.3671


 0.5528, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 65.9943, 0.2444,  
0.3997


 65.9943, 0.2444,  
0.3997

 65.9856, 0.2444,  
0.3999


 66.4214, 0.2437,  
0.3919


 67.0982, 0.2447,  
0.3840


 68.0996, 0.2476,  
0.3761


 69.4700, 0.2525,  
0.3683

 71.2467, 0.2593,  
0.3607

 73.4626, 0.2678,  
0.3534

 76.1468, 0.2777,  
0.3465

 79.3262, 0.2888,  
0.3401

 83.0256, 0.3006,  
0.3342

# Harmonies

## Analogous

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



65.9943, 0.3117, 0.4581



65.9943, 0.2444, 0.3997



65.9943, 0.1989, 0.3194

# Triad

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



65.9943, 0.2444, 0.3997



65.9943, 0.2344, 0.2155



65.9943, 0.4623, 0.3747

# Complementary

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



65.9943, 0.2444, 0.3997



18.7853, 0.6067, 0.3118

# 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.



65.9943, 0.4395, 0.3193



65.9943, 0.2444, 0.3997



65.9943, 0.2989, 0.2328

# Square

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



65.9943, 0.2444, 0.3997



65.9943, 0.1948, 0.2218



65.9943, 0.3762, 0.2695



65.9943, 0.4392, 0.4279



# Rectangle

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



65.9943, 0.2444, 0.3997



65.9943, 0.1848, 0.2737



65.9943, 0.3762, 0.2695



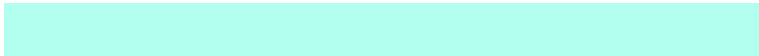
65.9943, 0.4601, 0.3561

# Sweetspot

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



65.9969, 0.2444, 0.3997



87.2586, 0.2773, 0.3468



63.0641, 0.3072, 0.5941



18.3855, 0.2730, 0.3496



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.



65.9969, 0.2444, 0.3997



75.7215, 0.2445, 0.4002



35.8770, 0.1980, 0.2327



17.8679, 0.3009, 0.3341



36.1434, 0.2441, 0.3987



3.0210, 0.2412, 0.3884



# Inverse Universe

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



18.7853, 0.6067, 0.3118



21.5295, 0.6081, 0.3124



22.7227, 0.6022, 0.3598



15.8140, 0.3260, 0.3240



10.2883, 0.6038, 0.3100

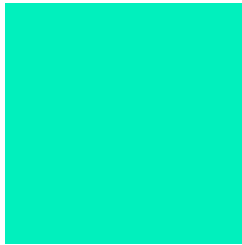


0.8701, 0.5681, 0.2903



# Previews

## White Background



This preview shows how the Yxy color 65.9943, 0.2444, 0.3997 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 65.9943, 0.2444, 0.3997 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

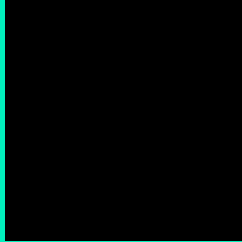
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.9943, 0.2444, 0.3997**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.9943, 0.2444, 0.3997.



This preview shows how white text looks on a background with the Yxy color 65.9943, 0.2444, 0.3997.

# 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

66.0008, 0.2444, 0.3997

### Protanopia

64.6788, 0.3479, 0.3700

### Deuteranopia

64.5760, 0.3432, 0.3356



## Tritanopia

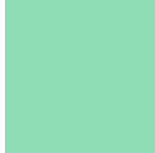
66.1341, 0.2266, 0.3052

# Trichromacy



## Original Color

66.0008, 0.2444, 0.3997



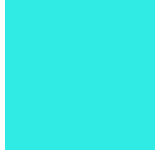
## Protanomaly

60.7184, 0.2860, 0.3846



## Deuteranomaly

59.4908, 0.2817, 0.3575



## Tritanomaly

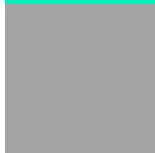
65.6224, 0.2311, 0.3379

# Monochromacy



## Original Color

66.0008, 0.2444, 0.3997



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

43.1832, 0.2634, 0.3579

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  65.9943, 0.2444, 0.3997 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(1, 240, 189)` looks like.

```
.text, #text, p{  
    color:rgb(1, 240, 189)  
}
```

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(1, 240, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 240, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9943, 0.2444, 0.3997 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(1, 240, 189) }
```

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

```
.border{ border-color:rgb(1, 240, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 240, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 240, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 240, 189);  
box-shadow:4px 4px 4px 4px rgb(1, 240,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9943, 0.2444, 0.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 240, 189) }
```

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

```
.background{ background-color: rgb(1, 240,  
189) }
```

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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