

Converting Colors

$Y_{xy}(65.0289, 0.2499, 0.4240)$

Have a look what the booklet for
Yxy(65.0289, 0.2499, 0.4240)
contains.

| | |
|--|----|
| Yxy(65.3373, 0.2511, 0.4239) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(65.3373, 0.2511, 0.4239)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00F0AD |
| RGB | 0, 240, 173 |
| RGB Percent | 0%, 94%, 68% |
| CMY | 0.9990, 0.0588, 0.3217 |
| CMYK | 1.00, 0.00, 0.28, 0.06 |
| HSL | 163°, 100%, 47% |
| HSV | 163°, 100%, 94% |
| XYZ | 38.7030, 65.3373, 50.0935 |
| YIQ | 160.6020, -121.5330, -71.7170 |

Conversions

Conversions Part 2

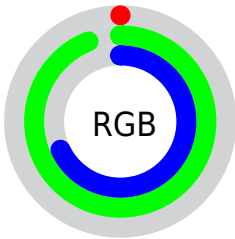
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 139, 240 |
| Decimal | 61613 |
| CIELab | 84.66, -63.27, 19.15 |
| CIELCh | 85, 66.102, 163.159 |
| Yxy | 65.3373, 0.2511, 0.4239 |
| Android (android.graphics.Color) | 4278251693 (0xFF00F0AD) |
| YUV | 160.6020, 6.1122, -140.8480 |
| Hunter-Lab | 80.8315, -55.9874, 19.8384 |

Details

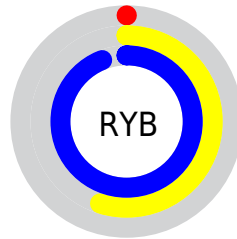
The Yxy color **65.3373, 0.2511, 0.4239** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **18.9400, 0.5870, 0.3008**, and the grayscale version is **35.4966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6219, 0.2527, 0.3601**, and **35.2230, 0.2571, 0.4456** is the 20% darker color. If you saturate the color by 10%, you get **65.3354, 0.2511, 0.4240**, and if you desaturate by 10%, it is **65.8019, 0.2497, 0.4134**.

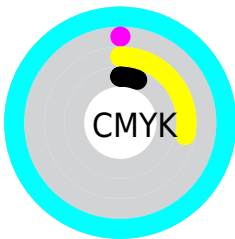
Distribution



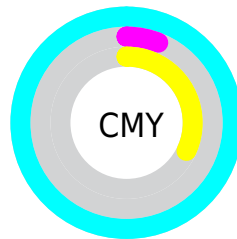
- Red (0%)
- Green (94%)
- Blue (68%)



- Red (0%)
- Yellow (55%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3373, 0.2511, 0.4239 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 65.3373, 0.2511, 0.4239 by changing the saturation by 10% instead.


 65.3373, 0.2511,
0.4239


 65.3373, 0.2511,
0.4239


444.0031, 0.2813,
0.3764

 47.7346, 0.2438,
0.4357


 112.5347, 0.2619,
0.4067

 33.6168, 0.2345,
0.4508


 142.8981, 0.2660,
0.4002


 22.5994, 0.2225,
0.4707


 178.2840, 0.2695,
0.3947

 14.2980, 0.2062,
0.4981

 219.0767, 0.2725,
0.3900

 8.3282, 0.1832,
0.5380

 265.6605, 0.2752,
0.3859

 4.3057, 0.1488,
0.6002

318.4199, 0.2775,

 1.8460, 0.0000,

0.3823

0.8118

377.7393, 0.2795,
0.3792

■ 0.5156, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.3373, 0.2511,
0.4239

■ 65.3373, 0.2511,
0.4239

■ 65.3354, 0.2511,
0.4240

■ 65.8019, 0.2497,
0.4134

■ 66.5187, 0.2501,
0.4028

■ 67.5646, 0.2524,
0.3921

■ 68.9843, 0.2567,
0.3816

■ 70.8154, 0.2629,
0.3713

■ 73.0907, 0.2708,
0.3615

■ 75.8397, 0.2800,
0.3523

■ 79.0894, 0.2903,
0.3438

■ 82.8646, 0.3013,
0.3360

Harmonies

Analogous

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



65.3373, 0.3264, 0.4777



65.3373, 0.2511, 0.4239



65.3373, 0.1967, 0.3351

Triad

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



65.3373, 0.2511, 0.4239



65.3373, 0.2167, 0.2058



65.3373, 0.4752, 0.3644

Complementary

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



65.3373, 0.2511, 0.4239



18.9400, 0.5870, 0.3008

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.



65.3373, 0.4403, 0.3059



65.3373, 0.2511, 0.4239



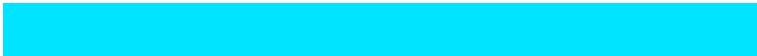
65.3373, 0.2811, 0.2197

Square

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



65.3373, 0.2511, 0.4239



65.3373, 0.1806, 0.2176



65.3373, 0.3647, 0.2551



65.3373, 0.4582, 0.4235

Rectangle

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



65.3373, 0.2511, 0.4239



65.3373, 0.1777, 0.2815



65.3373, 0.3647, 0.2551



65.3373, 0.4694, 0.3445

Sweetspot

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



65.3399, 0.2511, 0.4239



86.9625, 0.2798, 0.3525



63.5582, 0.3118, 0.5906



18.3143, 0.2758, 0.3563



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.



65.3399, 0.2511, 0.4239



74.9685, 0.2512, 0.4243



42.2844, 0.2046, 0.2565



17.8492, 0.3018, 0.3357



35.7884, 0.2506, 0.4223



2.9941, 0.2468, 0.4084

Inverse Universe

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



18.9400, 0.5870, 0.3008



21.7187, 0.5881, 0.3013



21.0004, 0.6167, 0.3484



15.8315, 0.3249, 0.3224



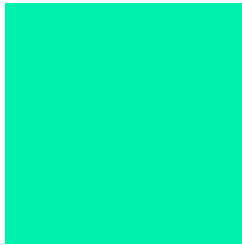
10.3830, 0.5832, 0.2987



0.8801, 0.5459, 0.2781

Previews

White Background



This preview shows how the Yxy color 65.3373, 0.2511, 0.4239 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 65.3373, 0.2511, 0.4239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

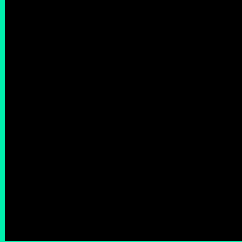
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.3373, 0.2511, 0.4239

Background



This preview shows how black text looks on a background with the Yxy color 65.3373, 0.2511, 0.4239.

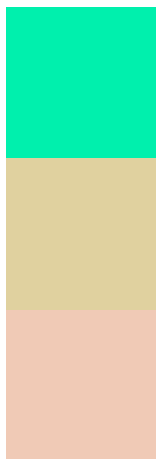


This preview shows how white text looks on a background with the Yxy color 65.3373, 0.2511, 0.4239.

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

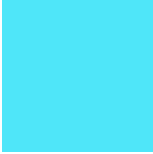
65.3373, 0.2511, 0.4239

Protanopia

63.9514, 0.3608, 0.3858

Deuteranopia

64.1437, 0.3583, 0.3508



Tritanopia

65.0954, 0.2279, 0.3051

Trichromacy



Original Color

65.3373, 0.2511, 0.4239



Protanomaly

59.7064, 0.2954, 0.4043



Deuteranomaly

59.1387, 0.2926, 0.3776



Tritanomaly

64.7442, 0.2340, 0.3460

Monochromacy



Original Color

65.3373, 0.2511, 0.4239



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

42.4271, 0.2669, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3373, 0.2511, 0.4239 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 173) }
```

Border

The CSS property to change the border of an element to Yxy 65.3373, 0.2511, 0.4239 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, 173) }
```

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

```
.border{ border-color:rgb(0, 240, 173) }
```

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, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3373, 0.2511, 0.4239 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, 173) }
```

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

```
.background{ background-color: rgb(0, 240,  
173) }
```

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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