

Converting Colors

$Yxy(69.7158, 0.2537, 0.4333)$

Have a look what the booklet for
Yxy(69.7158, 0.2537, 0.4333)
contains.

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Color

Yxy(69.5001, 0.2536, 0.4330)

Conversions

Conversions Part 1

Format	Color
Hex	00F7AC
RGB	0, 247, 172
RGB Percent	0%, 97%, 67%
CMY	1.0000, 0.0313, 0.3254
CMYK	1.00, 0.00, 0.30, 0.03
HSL	162°, 100%, 48%
HSV	162°, 100%, 97%
XYZ	40.7049, 69.5001, 50.3033
YIQ	164.5970, -123.1370, -75.6890

Conversions

Conversions Part 2

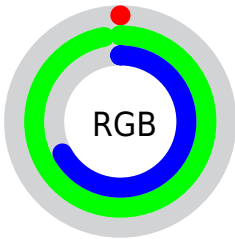
Format	Color
RYB	0, 146, 247
Decimal	63404
CIELab	86.75, -66.01, 22.55
CIELCh	87, 69.754, 161.143
Yxy	69.5001, 0.2536, 0.4330
Android (android.graphics.Color)	4278253484 (0xFF00F7AC)
YUV	164.5970, 3.6497, -144.3516
Hunter-Lab	83.3667, -58.7368, 22.5812

Details

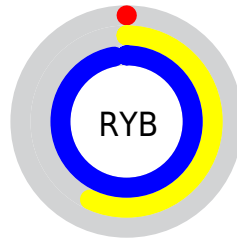
The Yxy color **69.5001, 0.2536, 0.4330** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **20.2833, 0.5794, 0.2966**, and the grayscale version is **37.4525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6988, 0.2538, 0.3612**, and **37.7271, 0.2598, 0.4553** is the 20% darker color. If you saturate the color by 10%, you get **69.5046, 0.2536, 0.4330**, and if you desaturate by 10%, it is **70.0039, 0.2520, 0.4215**.

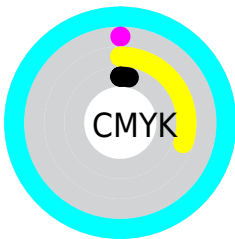
Distribution



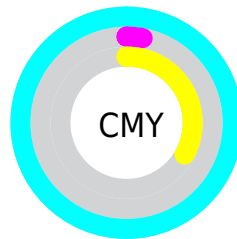
- Red (0%)
- Green (97%)
- Blue (67%)



- Red (0%)
- Yellow (57%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (3%)




- Cyan (100%)
- Magenta (3%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.5001, 0.2536, 0.4330 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 69.5001, 0.2536, 0.4330 by changing the saturation by 10% instead.


 69.5001, 0.2536,
0.4330


 69.5001, 0.2536,
0.4330


458.7928, 0.2826,
0.3812

 51.1191, 0.2466,
0.4458


 118.4956, 0.2640,
0.4143

 36.3034, 0.2377,
0.4620


 149.8789, 0.2680,
0.4072


 24.6686, 0.2261,
0.4834


 186.3650, 0.2713,
0.4012

 15.8303, 0.2105,
0.5126

 228.3384, 0.2742,
0.3961

 9.4042, 0.1884,
0.5546

 276.1835, 0.2767,
0.3916

 5.0057, 0.1555,
0.6190


330.2847, 0.2789,

 2.2506, 0.0531,


0.3877


0.7911


391.0263, 0.2809,
0.3843

 0.7474, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 69.5001, 0.2536,
0.4330


 69.5001, 0.2536,
0.4330

 69.5046, 0.2536,
0.4330

 70.0039, 0.2520,
0.4215

 70.7769, 0.2520,
0.4099

 71.9035, 0.2541,
0.3982

 73.4319, 0.2582,
0.3866

■ 75.4025, 0.2642,
0.3753

■ 77.8508, 0.2718,
0.3646

■ 80.8085, 0.2808,
0.3546

■ 84.3045, 0.2908,
0.3452

■ 88.3657, 0.3015,
0.3367

Harmonies

Analogous

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



69.5001, 0.3317, 0.4846



69.5001, 0.2536, 0.4330



69.5001, 0.1960, 0.3412

Triad

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



69.5001, 0.2536, 0.4330



69.5001, 0.2105, 0.2024



69.5001, 0.4797, 0.3606

Complementary

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



69.5001, 0.2536, 0.4330



20.2833, 0.5794, 0.2966

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.



69.5001, 0.4404, 0.3011



69.5001, 0.2536, 0.4330



69.5001, 0.2747, 0.2150

Square

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



69.5001, 0.2536, 0.4330



69.5001, 0.1756, 0.2161



69.5001, 0.3603, 0.2499



69.5001, 0.4651, 0.4216

Rectangle

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



69.5001, 0.2536, 0.4330



69.5001, 0.1752, 0.2846



69.5001, 0.3603, 0.2499



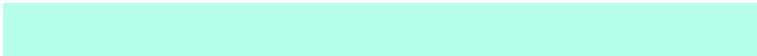
69.5001, 0.4726, 0.3403

Sweetspot

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



69.5046, 0.2536, 0.4330



86.8575, 0.2808, 0.3546



68.1546, 0.3145, 0.5885



18.2892, 0.2768, 0.3588



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

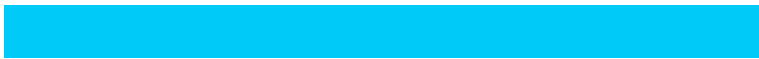
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5046, 0.2536, 0.4330



74.7174, 0.2537, 0.4332



48.8266, 0.2078, 0.2681



18.6671, 0.3021, 0.3363



36.7829, 0.2531, 0.4311



3.2511, 0.2491, 0.4166

Inverse Universe

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



20.2833, 0.5794, 0.2966



21.8018, 0.5798, 0.2968



21.6740, 0.6230, 0.3435



16.5653, 0.3246, 0.3218



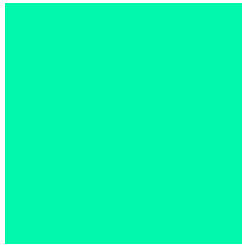
10.7485, 0.5751, 0.2942



0.9622, 0.5397, 0.2747

Previews

White Background



This preview shows how the Yxy color 69.5001, 0.2536, 0.4330 looks on a white background.

Color Contrast Check

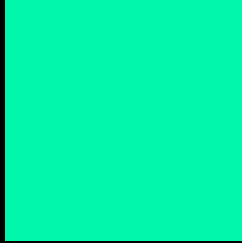
Large Text (above 18pt) WCAG AA × Fail

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 69.5001, 0.2536, 0.4330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

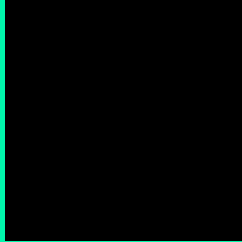
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.5001, 0.2536, 0.4330

Background



This preview shows how black text looks on a background with the Yxy color 69.5001, 0.2536, 0.4330.

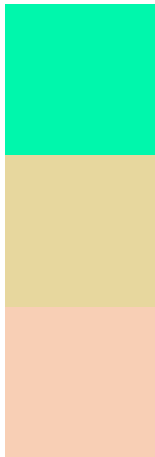


This preview shows how white text looks on a background with the Yxy color 69.5001, 0.2536, 0.4330.

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

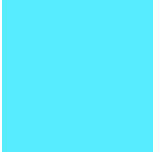
69.5001, 0.2536, 0.4330

Protanopia

68.0584, 0.3653, 0.3920

Deuteranopia

67.9183, 0.3642, 0.3566



Tritanopia

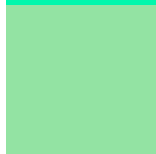
69.2371, 0.2295, 0.3058

Trichromacy



Original Color

69.5001, 0.2536, 0.4330



Protanomaly

63.7856, 0.2986, 0.4130



Deuteranomaly

62.7260, 0.2967, 0.3856



Tritanomaly

68.5686, 0.2353, 0.3482

Monochromacy



Original Color

69.5001, 0.2536, 0.4330



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

44.8606, 0.2673, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5001, 0.2536, 0.4330 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, 247, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 172)  
}
```

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, 247, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 172) }
```

Border

The CSS property to change the border of an element to Yxy 69.5001, 0.2536, 0.4330 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, 247, 172) }
```

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

```
.border{ border-color:rgb(0, 247, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 247, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5001, 0.2536, 0.4330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 172) }
```

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

```
.background{ background-color: rgb(0, 247,  
172) }
```

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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