

Converting Colors

$Y_{xy}(70.0955, 0.2498, 0.4192)$

Have a look what the booklet for
Yxy(70.0955, 0.2498, 0.4192)
contains.

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Color

Yxy(69.8989, 0.2495, 0.4182)

Conversions

Conversions Part 1

Format	Color
Hex	00F7B6
RGB	0, 247, 182
RGB Percent	0%, 97%, 71%
CMY	1.0000, 0.0313, 0.2863
CMYK	1.00, 0.00, 0.26, 0.03
HSL	164°, 100%, 48%
HSV	164°, 100%, 97%
XYZ	41.7020, 69.8989, 55.5414
YIQ	165.7370, -126.3470, -72.5790

Conversions

Conversions Part 2

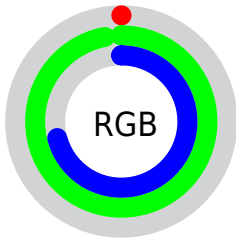
Format	Color
RYB	0, 142, 247
Decimal	63414
CIELab	86.95, -63.80, 17.69
CIELCh	87, 66.211, 164.501
Yxy	69.8989, 0.2495, 0.4182
Android (android.graphics.Color)	4278253494 (0xFF00F7B6)
YUV	165.7370, 8.0177, -145.3513
Hunter-Lab	83.6056, -57.2749, 19.1360

Details

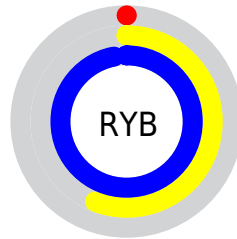
The Yxy color **69.8989, 0.2495, 0.4182** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **20.1571, 0.5930, 0.3041**, and the grayscale version is **38.0067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2705, 0.2496, 0.3489**, and **37.9802, 0.2545, 0.4362** is the 20% darker color. If you saturate the color by 10%, you get **69.9021, 0.2495, 0.4182**, and if you desaturate by 10%, it is **70.3801, 0.2483, 0.4084**.

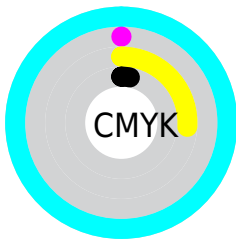
Distribution



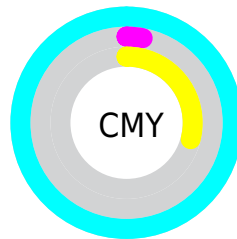
- Red (0%)
- Green (97%)
- Blue (71%)



- Red (0%)
- Yellow (56%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8989, 0.2495, 0.4182 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 69.8989, 0.2495, 0.4182 by changing the saturation by 10% instead.

 69.8989, 0.2495,
0.4182


 69.8989, 0.2495,
0.4182


460.1949, 0.2799,
0.3742


 51.4441, 0.2423,
0.4289

 119.0646, 0.2603,
0.4024


 36.5622, 0.2332,
0.4425


 150.5442, 0.2644,
0.3964


 24.8687, 0.2216,
0.4604


 187.1343, 0.2679,
0.3913

 15.9793, 0.2061,
0.4846

 229.2193, 0.2710,
0.3869

 9.5095, 0.1845,
0.5192

 277.1834, 0.2737,
0.3831

 5.0750, 0.1531,
0.5723


331.4111, 0.2760,

 2.2913, 0.0679,


0.3798


0.6896


392.2868, 0.2781,
0.3768


 0.7691, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 69.8989, 0.2495,
0.4182


 69.8989, 0.2495,
0.4182

 69.9021, 0.2495,
0.4182

 70.3801, 0.2483,
0.4084

 71.1279, 0.2487,
0.3984

 72.2254, 0.2511,
0.3884

 73.7205, 0.2555,
0.3785

■ 75.6538, 0.2619,
0.3689

■ 78.0605, 0.2699,
0.3597

■ 80.9723, 0.2792,
0.3511

■ 84.4180, 0.2897,
0.3430

■ 88.4244, 0.3010,
0.3357

Harmonies

Analogous

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



69.8989, 0.3230, 0.4733



69.8989, 0.2495, 0.4182



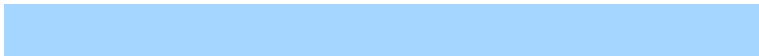
69.8989, 0.1972, 0.3313

Triad

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



69.8989, 0.2495, 0.4182



69.8989, 0.2207, 0.2080



69.8989, 0.4723, 0.3668

Complementary

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



69.8989, 0.2495, 0.4182



20.1571, 0.5930, 0.3041

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.



69.8989, 0.4403, 0.3090



69.8989, 0.2495, 0.4182



69.8989, 0.2853, 0.2227

Square

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



69.8989, 0.2495, 0.4182



69.8989, 0.1838, 0.2185



69.8989, 0.3675, 0.2584



69.8989, 0.4538, 0.4246

Rectangle

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



69.8989, 0.2495, 0.4182



69.8989, 0.1793, 0.2796



69.8989, 0.3675, 0.2584



69.8989, 0.4673, 0.3472

Sweetspot

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



69.9021, 0.2495, 0.4182



87.0345, 0.2792, 0.3511



67.6789, 0.3104, 0.5917



18.3316, 0.2751, 0.3547



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.



69.9021, 0.2495, 0.4182



75.1455, 0.2495, 0.4184



43.2709, 0.2029, 0.2503



18.6790, 0.3016, 0.3353



36.9915, 0.2490, 0.4165



3.2680, 0.2456, 0.4042

Inverse Universe

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



20.1571, 0.5930, 0.3041



21.6667, 0.5934, 0.3043



22.7647, 0.6140, 0.3507



16.5541, 0.3252, 0.3228



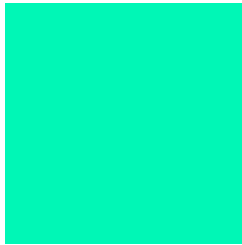
10.6797, 0.5889, 0.3018



0.9549, 0.5537, 0.2824

Previews

White Background



This preview shows how the Yxy color 69.8989, 0.2495, 0.4182 looks on a white background.

Color Contrast Check

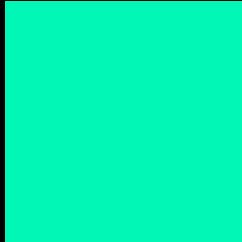
Large Text (above 18pt) WCAG AA × Fail

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 69.8989, 0.2495, 0.4182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

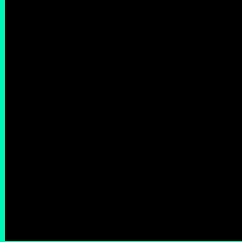
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.8989, 0.2495, 0.4182

Background



This preview shows how black text looks on a background with the Yxy color 69.8989, 0.2495, 0.4182.



This preview shows how white text looks on a background with the Yxy color 69.8989, 0.2495, 0.4182.

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

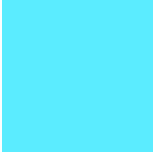
69.8989, 0.2495, 0.4182

Protanopia

68.2139, 0.3581, 0.3822

Deuteranopia

68.4662, 0.3547, 0.3471



Tritanopia

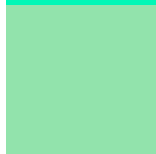
69.4351, 0.2306, 0.3058

Trichromacy



Original Color

69.8989, 0.2495, 0.4182



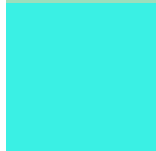
Protanomaly

64.0277, 0.2928, 0.4009



Deuteranomaly

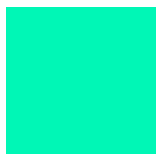
63.0415, 0.2900, 0.3724



Tritanomaly

68.8212, 0.2346, 0.3442

Monochromacy



Original Color

69.8989, 0.2495, 0.4182



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

45.0729, 0.2654, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8989, 0.2495, 0.4182 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 182) }
```

Border

The CSS property to change the border of an element to Yxy 69.8989, 0.2495, 0.4182 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, 182) }
```

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

```
.border{ border-color:rgb(0, 247, 182) }
```

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, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8989, 0.2495, 0.4182 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, 182) }
```

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

```
.background{ background-color: rgb(0, 247,  
182) }
```

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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