

Converting Colors

$Yxy(63.7736, 0.2491, 0.4167)$

Have a look what the booklet for
Yxy(63.7736, 0.2491, 0.4167)
contains.

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Color

Yxy(63.7030, 0.2489, 0.4159)

Conversions

Conversions Part 1

Format	Color
Hex	01EDB0
RGB	1, 237, 176
RGB Percent	0%, 93%, 69%
CMY	0.9974, 0.0706, 0.3099
CMYK	1.00, 0.00, 0.26, 0.07
HSL	165°, 99%, 47%
HSV	165°, 100%, 93%
XYZ	38.1238, 63.7030, 51.3423
YIQ	159.4820, -121.0750, -69.0030

Conversions

Conversions Part 2

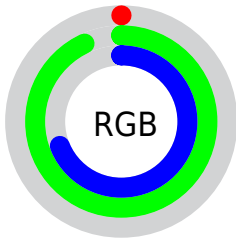
Format	Color
RYB	1, 137, 237
Decimal	126384
CIELab	83.81, -61.48, 16.42
CIElCh	84, 63.632, 165.047
Yxy	63.7030, 0.2489, 0.4159
Android (android.graphics.Color)	4278316464 (0xFF01EDB0)
YUV	159.4820, 8.1434, -138.9887
Hunter-Lab	79.8142, -54.4130, 17.7303

Details

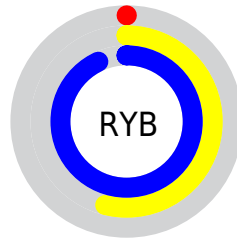
The Yxy color **63.7030, 0.2489, 0.4159** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **18.3635, 0.5933, 0.3044**, and the grayscale version is **34.8570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7257, 0.2511, 0.3564**, and **34.0726, 0.2543, 0.4355** is the 20% darker color. If you saturate the color by 10%, you get **63.6943, 0.2489, 0.4162**, and if you desaturate by 10%, it is **64.1477, 0.2478, 0.4063**.

Distribution



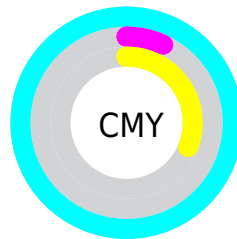
- Red (0%)
- Green (93%)
- Blue (69%)



- Red (0%)
- Yellow (54%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (7%)




- Cyan (100%)
- Magenta (7%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7030, 0.2489, 0.4159 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 63.7030, 0.2489, 0.4159 by changing the saturation by 10% instead.


 63.7030, 0.2489,
0.4159


 63.7030, 0.2489,
0.4159


438.1163, 0.2800,
0.3724


 46.4102, 0.2414,
0.4267

 110.1831, 0.2600,
0.4001


 32.5696, 0.2319,
0.4405


 140.1391, 0.2643,
0.3942


 21.7969, 0.2196,
0.4587


 175.0851, 0.2679,
0.3892

 13.7078, 0.2031,
0.4838

 215.4052, 0.2710,
0.3849

 7.9177, 0.1798,
0.5204

 261.4840, 0.2737,
0.3812

 4.0423, 0.1451,
0.5778


313.7059, 0.2761,

 1.6973, 0.0000,


0.3779


0.7666

372.4552, 0.2782,
0.3750

 0.4219, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000

 63.7030, 0.2489,
0.4159


 63.7030, 0.2489,
0.4159

 63.6943, 0.2489,
0.4162

 64.1477, 0.2478,
0.4063

 64.8378, 0.2483,
0.3965

 65.8467, 0.2509,
0.3868

 67.2173, 0.2554,
0.3771

■ 68.9859, 0.2619,
0.3677

■ 71.1844, 0.2700,
0.3588

■ 73.8413, 0.2794,
0.3503

■ 76.9825, 0.2899,
0.3425

■ 80.6322, 0.3013,
0.3353

Harmonies

Analogous

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



63.7030, 0.3216, 0.4714



63.7030, 0.2489, 0.4159



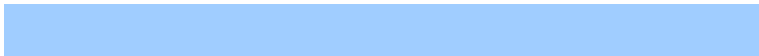
63.7030, 0.1974, 0.3298

Triad

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



63.7030, 0.2489, 0.4159



63.7030, 0.2224, 0.2090



63.7030, 0.4710, 0.3678

Complementary

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



63.7030, 0.2489, 0.4159



18.3635, 0.5933, 0.3044

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.



63.7030, 0.4402, 0.3103



63.7030, 0.2489, 0.4159



63.7030, 0.2869, 0.2239

Square

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



63.7030, 0.2489, 0.4159



63.7030, 0.1851, 0.2189



63.7030, 0.3685, 0.2597



63.7030, 0.4520, 0.4251

Rectangle

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



63.7030, 0.2489, 0.4159



63.7030, 0.1800, 0.2789



63.7030, 0.3685, 0.2597



63.7030, 0.4664, 0.3483

Sweetspot

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



63.7055, 0.2489, 0.4159



87.0565, 0.2790, 0.3507



61.6491, 0.3106, 0.5914



18.3369, 0.2749, 0.3542



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.



63.7055, 0.2489, 0.4159



75.2004, 0.2490, 0.4165



39.5157, 0.2030, 0.2508



17.0516, 0.3016, 0.3352



34.7975, 0.2485, 0.4146



2.7479, 0.2448, 0.4012

Inverse Universe

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



18.3635, 0.5933, 0.3044



21.6516, 0.5950, 0.3051



20.8163, 0.6130, 0.3512



15.1179, 0.3252, 0.3229



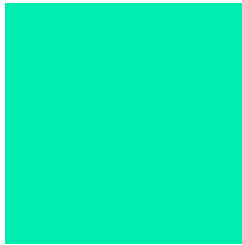
10.0331, 0.5900, 0.3024



0.8031, 0.5509, 0.2808

Previews

White Background



This preview shows how the Yxy color 63.7030, 0.2489, 0.4159 looks on a white background.

Color Contrast Check

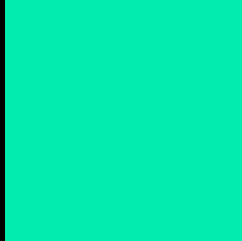
Large Text (above 18pt) WCAG AA × Fail

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 63.7030, 0.2489, 0.4159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

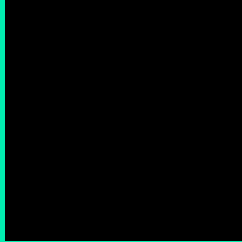
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.7030, 0.2489, 0.4159

Background



This preview shows how black text looks on a background with the Yxy color 63.7030, 0.2489, 0.4159.

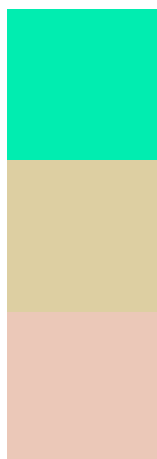


This preview shows how white text looks on a background with the Yxy color 63.7030, 0.2489, 0.4159.

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

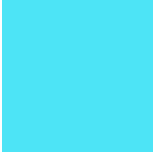
63.7094, 0.2489, 0.4158

Protanopia

62.6064, 0.3567, 0.3807

Deuteranopia

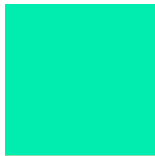
62.4314, 0.3531, 0.3468



Tritanopia

63.7184, 0.2279, 0.3061

Trichromacy



Original Color

63.7094, 0.2489, 0.4158



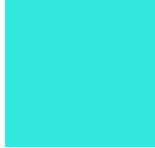
Protanomaly

58.5955, 0.2923, 0.3980



Deuteranomaly

57.4087, 0.2893, 0.3714



Tritanomaly

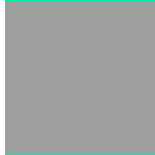
63.0253, 0.2328, 0.3421

Monochromacy



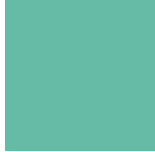
Original Color

63.7094, 0.2489, 0.4158



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

41.0240, 0.2651, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7030, 0.2489, 0.4159 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, 237, 176)` looks like.

```
.text, #text, p{  
    color:rgb(1, 237, 176)  
}
```

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, 237, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 237, 176) }
```

Border

The CSS property to change the border of an element to Yxy 63.7030, 0.2489, 0.4159 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, 237, 176) }
```

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

```
.border{ border-color:rgb(1, 237, 176) }
```

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

Here you see how a box with a 4 pixel rgb(1, 237, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 237, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 237, 176);  
box-shadow:4px 4px 4px 4px rgb(1, 237,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7030, 0.2489, 0.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 237, 176) }
```

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

```
.background{ background-color: rgb(1, 237,  
176) }
```

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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