

Converting Colors

$Yxy(69.5377, 0.2399, 0.3836)$

Have a look what the booklet for
Yxy(69.5377, 0.2399, 0.3836)
contains.

Yxy(69.6644, 0.2400, 0.3838)	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(69.6644, 0.2400, 0.3838)

Conversions

Conversions Part 1

Format	Color
Hex	01F5CC
RGB	1, 245, 204
RGB Percent	0%, 96%, 80%
CMY	0.9955, 0.0393, 0.1999
CMYK	1.00, 0.00, 0.17, 0.04
HSL	170°, 99%, 48%
HSV	170°, 100%, 96%
XYZ	43.5629, 69.6644, 68.2849
YIQ	167.3700, -132.2630, -64.4790

Conversions

Conversions Part 2

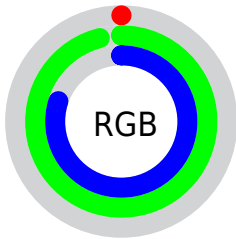
Format	Color
R _Y B	1, 134, 245
Decimal	128460
CIE Lab	86.83, -57.74, 6.10
CIE LCh	87, 58.059, 173.965
Yxy	69.6644, 0.2400, 0.3838
Android (android.graphics.Color)	4278318540 (0xFF01F5CC)
YUV	167.3700, 18.0586, -145.9065
Hunter-Lab	83.4652, -52.8997, 9.9191

Details

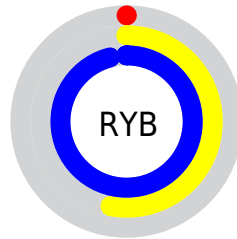
The Yxy color **69.6644, 0.2400, 0.3838** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **19.6041, 0.6176, 0.3179**, and the grayscale version is **38.8138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **38.1684, 0.2430, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **69.6503, 0.2400, 0.3841**, and if you desaturate by 10%, it is **70.0749, 0.2397, 0.3778**.

Distribution



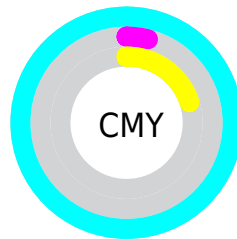
- Red (0%)
- Green (96%)
- Blue (80%)



- Red (0%)
- Yellow (53%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (4%)



- Cyan (100%)
- Magenta (4%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6644, 0.2400, 0.3838 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 69.6644, 0.2400, 0.3838 by changing the saturation by 10% instead.


 69.6644, 0.2400,
0.3838


 69.6644, 0.2400,
0.3838


459.3708, 0.2739,
0.3577

 51.2530, 0.2322,
0.3899


 118.7300, 0.2518,
0.3746


 36.4100, 0.2226,
0.3976


 150.1531, 0.2564,
0.3711


 24.7510, 0.2105,
0.4075


 186.6821, 0.2603,
0.3680

 15.8916, 0.1947,
0.4205

 228.7015, 0.2638,
0.3654

 9.4475, 0.1734,
0.4387

 276.5956, 0.2668,
0.3631

 5.0342, 0.1436,
0.4653


330.7490, 0.2694,


 2.2673, 0.0825,

0.3611

0.5174


391.5459, 0.2718,
0.3593


 0.7563, 0.0000,
0.6559

 0.0000, 0.0000,
0.0000

 69.6644, 0.2400,
0.3838


 69.6644, 0.2400,
0.3838

 69.6503, 0.2400,
0.3841

 70.0749, 0.2397,
0.3778

 70.7474, 0.2411,
0.3717

 71.7580, 0.2444,
0.3656

 73.1535, 0.2497,
0.3596

■ 74.9729, 0.2569,
0.3537

■ 77.2506, 0.2658,
0.3480

■ 80.0174, 0.2762,
0.3427

■ 83.3013, 0.2878,
0.3376

■ 87.1283, 0.3002,
0.3330

Harmonies

Analogous

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



69.6644, 0.3016, 0.4440



69.6644, 0.2400, 0.3838



69.6644, 0.2006, 0.3094

Triad

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



69.6644, 0.2400, 0.3838



69.6644, 0.2468, 0.2223



69.6644, 0.4532, 0.3816

Complementary

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



69.6644, 0.2400, 0.3838



19.6041, 0.6176, 0.3179

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.



69.6644, 0.4383, 0.3285



69.6644, 0.2400, 0.3838



69.6644, 0.3111, 0.2420

Square

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



69.6644, 0.2400, 0.3838



69.6644, 0.2050, 0.2248



69.6644, 0.3836, 0.2795



69.6644, 0.4261, 0.4303

Rectangle

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



69.6644, 0.2400, 0.3838



69.6644, 0.1899, 0.2689



69.6644, 0.3836, 0.2795



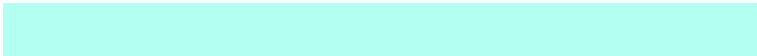
69.6644, 0.4533, 0.3639

Sweetspot

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



69.6671, 0.2400, 0.3838



87.4637, 0.2756, 0.3429



65.8794, 0.3053, 0.5955



18.4351, 0.2711, 0.3452



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.



69.6671, 0.2400, 0.3838



76.2809, 0.2401, 0.3842



34.5223, 0.1947, 0.2207



18.7072, 0.3003, 0.3330



37.5431, 0.2398, 0.3831



3.3121, 0.2377, 0.3755

Inverse Universe

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



19.6041, 0.6176, 0.3179



21.4333, 0.6190, 0.3184



24.9149, 0.5939, 0.3662



16.5279, 0.3267, 0.3250



10.5583, 0.6155, 0.3164



0.9407, 0.5840, 0.2991

Previews

White Background



This preview shows how the Yxy color 69.6644, 0.2400, 0.3838 looks on a white background.

Color Contrast Check

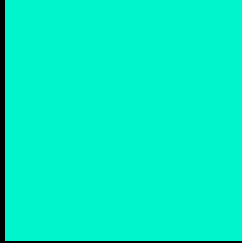
Large Text (above 18pt) WCAG AA × Fail

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 69.6644, 0.2400, 0.3838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

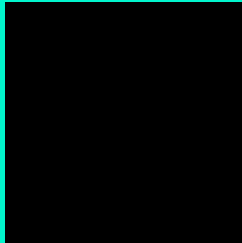
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.6644, 0.2400, 0.3838

Background



This preview shows how black text looks on a background with the Yxy color 69.6644, 0.2400, 0.3838.

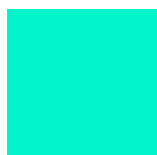


This preview shows how white text looks on a background with the Yxy color 69.6644, 0.2400, 0.3838.

Color Blindness Simulation

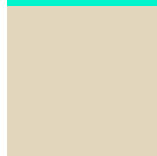
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



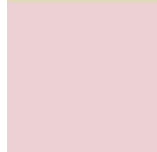
Original Color

69.6709, 0.2400, 0.3838



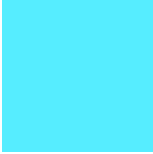
Protanopia

68.4005, 0.3398, 0.3590



Deuteranopia

67.8697, 0.3319, 0.3248



Tritanopia

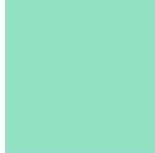
69.7668, 0.2296, 0.3070

Trichromacy



Original Color

69.6709, 0.2400, 0.3838



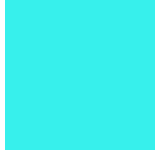
Protanomaly

64.2170, 0.2791, 0.3701



Deuteranomaly

62.8957, 0.2742, 0.3440



Tritanomaly

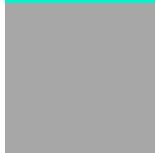
69.1885, 0.2310, 0.3338

Monochromacy



Original Color

69.6709, 0.2400, 0.3838



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

45.4513, 0.2613, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6644, 0.2400, 0.3838 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, 245, 204)` looks like.

```
.text, #text, p{  
    color:rgb(1, 245, 204)  
}
```

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, 245, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 245, 204) }
```

Border

The CSS property to change the border of an element to Yxy 69.6644, 0.2400, 0.3838 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, 245, 204) }
```

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

```
.border{ border-color:rgb(1, 245, 204) }
```

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

Here you see how a box with a 4 pixel rgb(1, 245, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 245, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 245, 204);  
box-shadow:4px 4px 4px 4px rgb(1, 245,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6644, 0.2400, 0.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 245, 204) }
```

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

```
.background{ background-color: rgb(1, 245,  
204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor