

Converting Colors

$Yxy(62.6631, 0.1831, 0.3939)$

Have a look what the booklet for
Yxy(62.6631, 0.1831, 0.3939)
contains.

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Color

Yxy(70.2233, 0.2407, 0.3865)

Conversions

Conversions Part 1

Format	Color
Hex	00F6CB
RGB	0, 246, 203
RGB Percent	0%, 96%, 80%
CMY	0.9998, 0.0353, 0.2040
CMYK	1.00, 0.00, 0.17, 0.04
HSL	170°, 100%, 48%
HSV	170°, 100%, 96%
XYZ	43.7329, 70.2233, 67.7341
YIQ	167.5440, -132.8130, -65.5250

Conversions

Conversions Part 2

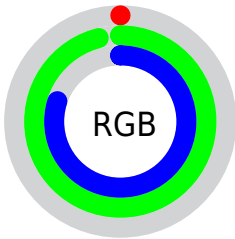
Format	Color
RYB	0, 135, 246
Decimal	63179
CIELab	87.11, -58.42, 7.04
CIELCh	87, 58.841, 173.130
Yxy	70.2233, 0.2407, 0.3865
Android (android.graphics.Color)	4278253259 (0xFF00F6CB)
YUV	167.5440, 17.4798, -146.9361
Hunter-Lab	83.7993, -53.4940, 10.7360

Details

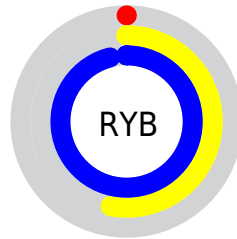
The Yxy color **70.2233, 0.2407, 0.3865** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **19.7696, 0.6171, 0.3173**, and the grayscale version is **38.8907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **38.1364, 0.2436, 0.3968** is the 20% darker color. If you saturate the color by 10%, you get **70.2254, 0.2407, 0.3865**, and if you desaturate by 10%, it is **70.6359, 0.2403, 0.3802**.

Distribution



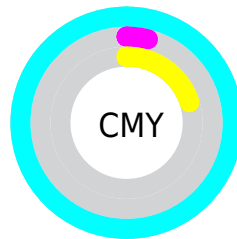
- Red (0%)
- Green (96%)
- Blue (80%)



- 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 70.2233, 0.2407, 0.3865 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 70.2233, 0.2407, 0.3865 by changing the saturation by 10% instead.

 70.2233, 0.2407,
0.3865


 70.2233, 0.2407,
0.3865


461.3337, 0.2743,
0.3590

 51.7086, 0.2330,
0.3930


 119.5271, 0.2524,
0.3768

 36.7729, 0.2235,
0.4011


 151.0851, 0.2569,
0.3731


 25.0317, 0.2114,
0.4115


 187.7595, 0.2608,
0.3699

 16.1007, 0.1957,
0.4253

 229.9349, 0.2642,
0.3671

 9.5954, 0.1746,
0.4446

 277.9956, 0.2672,
0.3647

 5.1315, 0.1449,
0.4730


332.3261, 0.2699,

 2.3246, 0.0849,


0.3626


0.5278


393.3106, 0.2722,
0.3607


 0.7867, 0.0000,
0.6834

 0.0000, 0.0000,
0.0000


 70.2233, 0.2407,
0.3865


 70.2233, 0.2407,
0.3865

 70.2254, 0.2407,
0.3865

 70.6359, 0.2403,
0.3802

 71.3065, 0.2415,
0.3739

 72.3166, 0.2447,
0.3675

 73.7138, 0.2498,
0.3612

■ 75.5378, 0.2569,
0.3550

■ 77.8235, 0.2657,
0.3491

■ 80.6023, 0.2759,
0.3435

■ 83.9024, 0.2874,
0.3382

■ 87.7504, 0.2998,
0.3334

Harmonies

Analogous

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



70.2233, 0.3033, 0.4465



70.2233, 0.2407, 0.3865



70.2233, 0.2003, 0.3110

Triad

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



70.2233, 0.2407, 0.3865



70.2233, 0.2447, 0.2211



70.2233, 0.4549, 0.3805

Complementary

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



70.2233, 0.2407, 0.3865



19.7696, 0.6171, 0.3173

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.



70.2233, 0.4386, 0.3269



70.2233, 0.2407, 0.3865



70.2233, 0.3090, 0.2404

Square

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



70.2233, 0.2407, 0.3865



70.2233, 0.2032, 0.2242



70.2233, 0.3824, 0.2778



70.2233, 0.4284, 0.4299

Rectangle

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



70.2233, 0.2407, 0.3865



70.2233, 0.1889, 0.2696



70.2233, 0.3824, 0.2778



70.2233, 0.4545, 0.3626

Sweetspot

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



70.2260, 0.2407, 0.3865



87.4321, 0.2758, 0.3435



66.4760, 0.3052, 0.5959



18.4274, 0.2713, 0.3459



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.



70.2260, 0.2407, 0.3865



76.1927, 0.2407, 0.3866



34.7027, 0.1945, 0.2201



18.7051, 0.3004, 0.3332



37.5004, 0.2404, 0.3855



3.3087, 0.2382, 0.3775

Inverse Universe

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



19.7696, 0.6171, 0.3173



21.4465, 0.6175, 0.3175



25.0326, 0.5950, 0.3657



16.5298, 0.3266, 0.3249



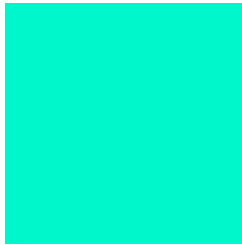
10.5653, 0.6139, 0.3155



0.9416, 0.5820, 0.2980

Previews

White Background



This preview shows how the Yxy color 70.2233, 0.2407, 0.3865 looks on a white background.

Color Contrast Check

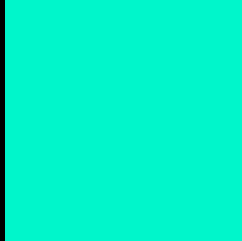
Large Text (above 18pt) WCAG AA × Fail

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 70.2233, 0.2407, 0.3865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

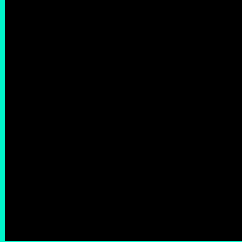
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

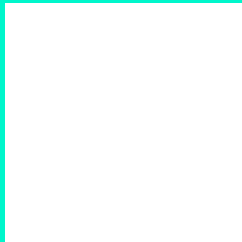
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2233, 0.2407, 0.3865

Background



This preview shows how black text looks on a background with the Yxy color 70.2233, 0.2407, 0.3865.

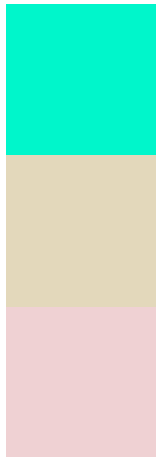


This preview shows how white text looks on a background with the Yxy color 70.2233, 0.2407, 0.3865.

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

70.2233, 0.2407, 0.3865

Protanopia

69.0305, 0.3411, 0.3612

Deuteranopia

68.6548, 0.3341, 0.3269



Tritanopia

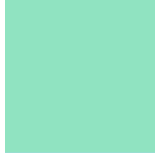
70.1155, 0.2315, 0.3071

Trichromacy



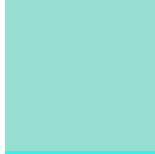
Original Color

70.2233, 0.2407, 0.3865



Protanomaly

64.7177, 0.2798, 0.3726



Deuteranomaly

63.4720, 0.2754, 0.3465



Tritanomaly

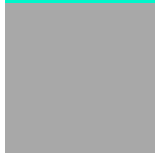
69.3061, 0.2317, 0.3338

Monochromacy



Original Color

70.2233, 0.2407, 0.3865



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

45.9419, 0.2609, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2233, 0.2407, 0.3865 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, 246, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 246, 203)  
}
```

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, 246, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 246, 203) }
```

Border

The CSS property to change the border of an element to Yxy 70.2233, 0.2407, 0.3865 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, 246, 203) }
```

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

```
.border{ border-color:rgb(0, 246, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 246, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 246, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 246, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 246,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2233, 0.2407, 0.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 246, 203) }
```

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

```
.background{ background-color: rgb(0, 246,  
203) }
```

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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