

Converting Colors

$Y_{xy}(70.8531, 0.2222, 0.3199)$

Have a look what the booklet for
Yxy(70.8531, 0.2222, 0.3199)
contains.

Yxy(71.0033, 0.2222, 0.3200)	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(71.0033, 0.2222, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	00F3FA
RGB	0, 243, 250
RGB Percent	0%, 95%, 98%
CMY	1.0000, 0.0470, 0.0195
CMYK	1.00, 0.03, 0.00, 0.02
HSL	182°, 100%, 49%
HSV	182°, 100%, 98%
XYZ	49.3029, 71.0033, 101.5791
YIQ	171.1410, -147.0750, -49.3390

Conversions

Conversions Part 2

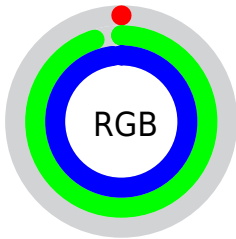
Format	Color
RYB	0, 123, 250
Decimal	62458
CIELab	87.49, -44.32, -17.00
CIELCh	87, 47.468, 200.984
Yxy	71.0033, 0.2222, 0.3200
Android (android.graphics.Color)	4278252538 (0xFF00F3FA)
YUV	171.1410, 38.8775, -150.0907
Hunter-Lab	84.2635, -43.0199, -12.4893

Details

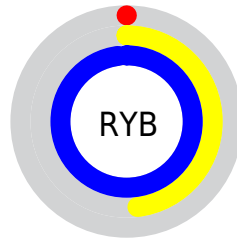
The Yxy color **71.0033, 0.2222, 0.3200** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.4837, 0.6387, 0.3311**, and the grayscale version is **40.6602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **39.0129, 0.2211, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **71.0107, 0.2222, 0.3200**, and if you desaturate by 10%, it is **71.6390, 0.2236, 0.3209**.

Distribution



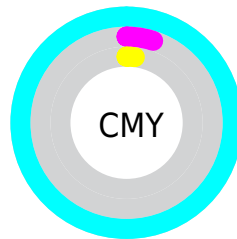
- Red (0%)
- Green (95%)
- Blue (98%)



- Red (0%)
- Yellow (48%)
- Blue (98%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)




- Cyan (100%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.0033, 0.2222, 0.3200 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 71.0033, 0.2222, 0.3200 by changing the saturation by 10% instead.


 71.0033, 0.2222,
0.3200


 71.0033, 0.2222,
0.3200


464.0650, 0.2628,
0.3257


 52.3449, 0.2133,
0.3184


 120.6384, 0.2360,
0.3222


 37.2801, 0.2026,
0.3162


 152.3839, 0.2414,
0.3230

 25.4244, 0.1894,
0.3132


 189.2606, 0.2461,
0.3237

 16.3935, 0.1727,
0.3088

 231.6528, 0.2503,
0.3242

 9.8031, 0.1514,
0.3021

279.9449, 0.2539,
0.3247

 5.2686, 0.1232,
0.2913

334.5214, 0.2572,

 2.4057, 0.0857,

0.3250

0.2720

395.7666, 0.2601,
0.3254

■ 0.8288, 0.0000,
0.2427

■ 0.0000, 0.0000,
0.0000

■ 71.0033, 0.2222,
0.3200

■ 71.0033, 0.2222,
0.3200

■ 71.0107, 0.2222,
0.3200

■ 71.6390, 0.2236,
0.3209

■ 72.5338, 0.2265,
0.3218

■ 73.7767, 0.2312,
0.3228

■ 75.4170, 0.2379,
0.3238

■ 77.4963, 0.2465,
0.3247

■ 80.0508, 0.2570,
0.3256

■ 83.1129, 0.2691,
0.3266

■ 86.7124, 0.2826,
0.3274

■ 90.8764, 0.2973,
0.3282

Harmonies

Analogous

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



71.0033, 0.2581, 0.3789



71.0033, 0.2222, 0.3200



71.0033, 0.2095, 0.2714

Triad

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



71.0033, 0.2222, 0.3200



71.0033, 0.3062, 0.2539



71.0033, 0.4102, 0.4107

Complementary

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



71.0033, 0.2222, 0.3200



20.4837, 0.6387, 0.3311

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.



71.0033, 0.4279, 0.3706



71.0033, 0.2222, 0.3200



71.0033, 0.3651, 0.2846

Square

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



71.0033, 0.2222, 0.3200



71.0033, 0.2543, 0.2391



71.0033, 0.4115, 0.3258



71.0033, 0.3665, 0.4332

Rectangle

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



71.0033, 0.2222, 0.3200



71.0033, 0.2143, 0.2507



71.0033, 0.4115, 0.3258



71.0033, 0.4196, 0.3985

Sweetspot

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



71.0107, 0.2222, 0.3200



86.8996, 0.2691, 0.3266



68.4041, 0.2998, 0.5993



18.2967, 0.2638, 0.3262



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.



71.0107, 0.2222, 0.3200



74.2507, 0.2222, 0.3200



20.5433, 0.1748, 0.1491



19.5199, 0.2980, 0.3283



37.6911, 0.2223, 0.3202



3.5165, 0.2226, 0.3212

Inverse Universe

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



26.8026, 0.3282, 0.1582



28.0268, 0.3282, 0.1582



36.0807, 0.5385, 0.4106



17.5157, 0.3142, 0.3063



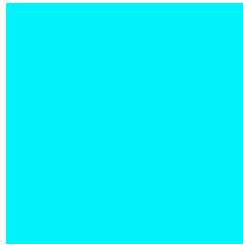
14.2158, 0.3281, 0.1581



1.3192, 0.3272, 0.1576

Previews

White Background



This preview shows how the Yxy color 71.0033, 0.2222, 0.3200 looks on a white background.

Color Contrast Check

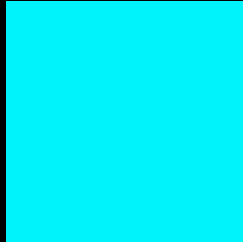
Large Text (above 18pt) WCAG AA × Fail

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 71.0033, 0.2222, 0.3200 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 71.0033, 0.2222, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 71.0033, 0.2222, 0.3200.

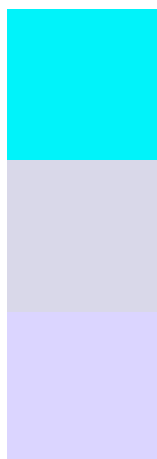


This preview shows how white text looks on a background with the Yxy color 71.0033, 0.2222, 0.3200.

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

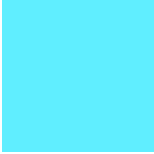
71.0033, 0.2222, 0.3200

Protanopia

69.7466, 0.3022, 0.3105

Deuteranopia

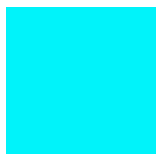
69.8686, 0.2897, 0.2849



Tritanopia

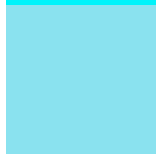
70.8559, 0.2326, 0.3084

Trichromacy



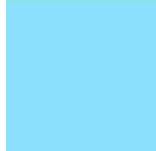
Original Color

71.0033, 0.2222, 0.3200



Protanomaly

66.0280, 0.2525, 0.3131



Deuteranomaly

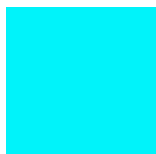
65.8921, 0.2460, 0.2946



Tritanomaly

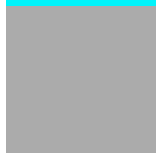
70.4041, 0.2258, 0.3128

Monochromacy



Original Color

71.0033, 0.2222, 0.3200



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

47.3538, 0.2515, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0033, 0.2222, 0.3200 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, 243, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 243, 250)  
}
```

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, 243, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 243, 250) }
```

Border

The CSS property to change the border of an element to Yxy 71.0033, 0.2222, 0.3200 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, 243, 250) }
```

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

```
.border{ border-color:rgb(0, 243, 250) }
```

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

Here you see how a box with a 4 pixel rgb(0, 243, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 243, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 243, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 243,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0033, 0.2222, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 243, 250) }
```

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

```
.background{ background-color: rgb(0, 243,  
250) }
```

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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