

Converting Colors

$Y_{xy}(69.8672, 0.2225, 0.3201)$

Have a look what the booklet for
Yxy(69.8672, 0.2225, 0.3201)
contains.

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Color

Yxy(69.7331, 0.2225, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	07F1F8
RGB	7, 241, 248
RGB Percent	3%, 95%, 97%
CMY	0.9713, 0.0549, 0.0275
CMYK	0.97, 0.03, 0.00, 0.03
HSL	182°, 94%, 50%
HSV	182°, 97%, 97%
XYZ	48.4863, 69.7331, 99.6965
YIQ	171.8320, -141.7110, -47.4310

Conversions

Conversions Part 2

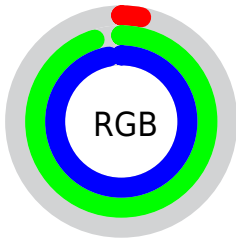
Format	Color
RYB	7, 126, 248
Decimal	520696
CIELab	86.87, -43.87, -16.85
CIELCh	87, 47.001, 201.014
Yxy	69.7331, 0.2225, 0.3200
Android (android.graphics.Color)	4278710776 (0xFF07F1F8)
YUV	171.8320, 37.5508, -144.5577
Hunter-Lab	83.5063, -42.4936, -12.3307

Details

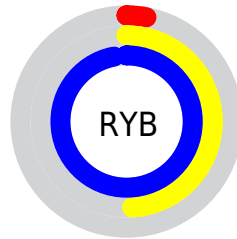
The Yxy color **69.7331, 0.2225, 0.3200** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.2918, 0.6350, 0.3312**, and the grayscale version is **41.0770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **38.0868, 0.2211, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **69.5627, 0.2222, 0.3197**, and if you desaturate by 10%, it is **70.4242, 0.2243, 0.3209**.

Distribution



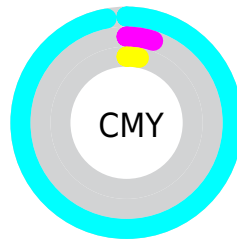
- Red (3%)
- Green (95%)
- Blue (97%)



- Red (3%)
- Yellow (49%)
- Blue (97%)



- Cyan (97%)
- Magenta (3%)
- Yellow (0%)
- Black (3%)





- Cyan (97%)
- Magenta (5%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.7331, 0.2225, 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 69.7331, 0.2225, 0.3200 by changing the saturation by 10% instead.


 69.7331, 0.2225,
0.3200

 69.7331, 0.2225,
0.3200


459.6123, 0.2631,
0.3257


 51.3090, 0.2136,
0.3184


 118.8281, 0.2363,
0.3222

 36.4546, 0.2028,
0.3162


 150.2677, 0.2417,
0.3230

 24.7855, 0.1895,
0.3131


 186.8146, 0.2465,
0.3237

 15.9173, 0.1727,
0.3087

 228.8532, 0.2506,
0.3242

 9.4656, 0.1511,
0.3020

276.7679, 0.2543,
0.3247

 5.0461, 0.1226,
0.2909

330.9430, 0.2575,

 2.2744, 0.0839,

0.3250

0.2712

391.7630, 0.2604,
0.3254

■ 0.7601, 0.0000,
0.2386

■ 0.0000, 0.0000,
0.0000

■ 69.7331, 0.2225,
0.3200

■ 69.7331, 0.2225,
0.3200

■ 69.5627, 0.2222,
0.3197

■ 70.4242, 0.2243,
0.3209

■ 71.4110, 0.2277,
0.3219

■ 72.7549, 0.2330,
0.3229

■ 74.5013, 0.2402,
0.3239

■ 76.6893, 0.2494,
0.3249

■ 79.3532, 0.2604,
0.3258

■ 82.5239, 0.2730,
0.3268

■ 86.2298, 0.2869,
0.3276

■ 90.4969, 0.3018,
0.3285

Harmonies

Analogous

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



69.7331, 0.2582, 0.3786



69.7331, 0.2225, 0.3200



69.7331, 0.2098, 0.2716

Triad

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



69.7331, 0.2225, 0.3200



69.7331, 0.3063, 0.2542



69.7331, 0.4098, 0.4104

Complementary

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



69.7331, 0.2225, 0.3200



20.2918, 0.6350, 0.3312

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.



69.7331, 0.4275, 0.3706



69.7331, 0.2225, 0.3200



69.7331, 0.3650, 0.2848

Square

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



69.7331, 0.2225, 0.3200



69.7331, 0.2545, 0.2394



69.7331, 0.4111, 0.3259



69.7331, 0.3662, 0.4328

Rectangle

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



69.7331, 0.2225, 0.3200



69.7331, 0.2147, 0.2509



69.7331, 0.4111, 0.3259



69.7331, 0.4191, 0.3983

Sweetspot

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



69.7357, 0.2225, 0.3200



87.2088, 0.2704, 0.3266



67.1969, 0.2999, 0.5977



18.3530, 0.2649, 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.



69.7357, 0.2225, 0.3200



74.1110, 0.2222, 0.3197



21.1493, 0.1767, 0.1544



19.5171, 0.2980, 0.3283



37.6215, 0.2222, 0.3199



3.5109, 0.2225, 0.3210

Inverse Universe

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



26.4634, 0.3282, 0.1589



28.0127, 0.3284, 0.1583



36.3811, 0.5330, 0.4130



17.5154, 0.3143, 0.3063



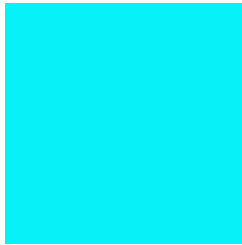
14.2088, 0.3283, 0.1582



1.3187, 0.3274, 0.1577

Previews

White Background



This preview shows how the Yxy color 69.7331, 0.2225, 0.3200 looks on a white background.

Color Contrast Check

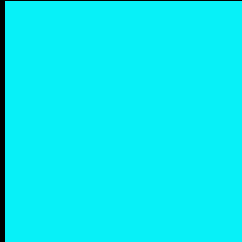
Large Text (above 18pt) WCAG AA × Fail

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 69.7331, 0.2225, 0.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

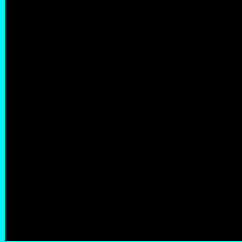
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

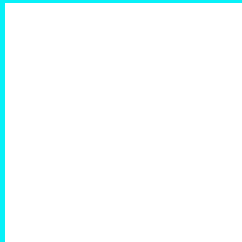
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.7331, 0.2225, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 69.7331, 0.2225, 0.3200.

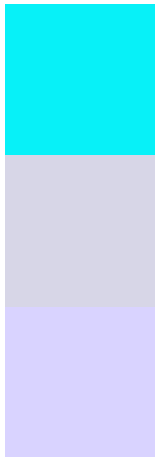


This preview shows how white text looks on a background with the Yxy color 69.7331, 0.2225, 0.3200.

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

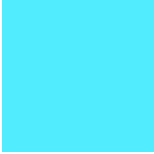
69.7331, 0.2225, 0.3200

Protanopia

68.3097, 0.3021, 0.3104

Deuteranopia

68.5602, 0.2883, 0.2825



Tritanopia

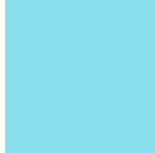
69.5377, 0.2283, 0.3069

Trichromacy



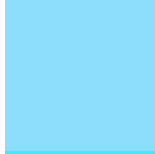
Original Color

69.7331, 0.2225, 0.3200



Protanomaly

64.9147, 0.2536, 0.3130



Deuteranomaly

64.9335, 0.2470, 0.2933



Tritanomaly

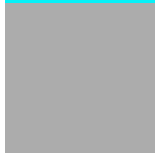
68.9616, 0.2243, 0.3115

Monochromacy



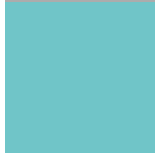
Original Color

69.7331, 0.2225, 0.3200



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

47.5474, 0.2531, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7331, 0.2225, 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(7, 241, 248)` looks like.

```
.text, #text, p{  
  color:rgb(7, 241, 248)  
}
```

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(7, 241, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 241, 248) }
```

Border

The CSS property to change the border of an element to Yxy 69.7331, 0.2225, 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(7, 241, 248) }
```

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

```
.border{ border-color:rgb(7, 241, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 241, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 241, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 241, 248);  
box-shadow:4px 4px 4px 4px rgb(7, 241,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7331, 0.2225, 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(7, 241, 248) }
```

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

```
.background{ background-color: rgb(7, 241,  
248) }
```

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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