

Converting Colors

Yxy(69.4849, 0.2199, 0.3114)

Have a look what the booklet for
Yxy(69.4849, 0.2199, 0.3114)
contains.

Yxy(69.4888, 0.2199, 0.3114)	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(69.4888, 0.2199, 0.3114)

Conversions

Conversions Part 1

Format	Color
Hex	02F0FE
RGB	2, 240, 254
RGB Percent	1%, 94%, 100%
CMY	0.9934, 0.0588, 0.0039
CMYK	0.99, 0.06, 0.00, 0.00
HSL	183°, 99%, 50%
HSV	183°, 99%, 100%
XYZ	49.0706, 69.4888, 104.5902
YIQ	170.4340, -146.3420, -46.1020

Conversions

Conversions Part 2

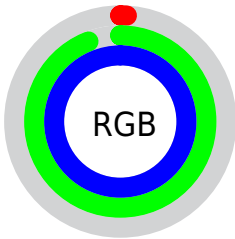
Format	Color
RYB	2, 124, 254
Decimal	192766
CIELab	86.75, -41.76, -20.19
CIELCh	87, 46.382, 205.803
Yxy	69.4888, 0.2199, 0.3114
Android (android.graphics.Color)	4278382846 (0xFF02F0FE)
YUV	170.4340, 41.1980, -147.7166
Hunter-Lab	83.3599, -40.8042, -16.0382

Details

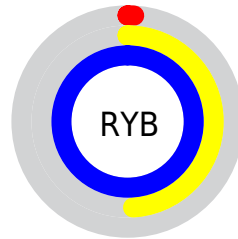
The Yxy color **69.4888, 0.2199, 0.3114** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.4356, 0.6364, 0.3322**, and the grayscale version is **40.2250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **37.8982, 0.2185, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **69.4252, 0.2198, 0.3113**, and if you desaturate by 10%, it is **70.5473, 0.2217, 0.3132**.

Distribution



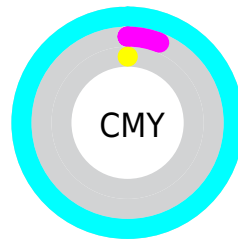
- Red (1%)
- Green (94%)
- Blue (100%)



- Red (1%)
- Yellow (49%)
- Blue (100%)



- Cyan (99%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (99%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.4888, 0.2199, 0.3114 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 69.4888, 0.2199, 0.3114 by changing the saturation by 10% instead.


 69.4888, 0.2199,
0.3114


 69.4888, 0.2199,
0.3114


458.7530, 0.2615,
0.3212

 51.1099, 0.2108,
0.3088


 118.4795, 0.2340,
0.3151


 36.2961, 0.1998,
0.3055


 149.8600, 0.2396,
0.3164

 24.6629, 0.1863,
0.3009


 186.3432, 0.2444,
0.3175

 15.8261, 0.1693,
0.2946

 228.3135, 0.2487,
0.3185

 9.4012, 0.1476,
0.2854

276.1552, 0.2525,
0.3193

 5.0038, 0.1191,
0.2709

330.2528, 0.2558,

 2.2495, 0.0814,

0.3200

0.2466

390.9906, 0.2588,
0.3206

■ 0.7468, 0.0000,
0.2074

■ 0.0000, 0.0000,
0.0000

■ 69.4888, 0.2199,
0.3114

■ 69.4888, 0.2199,
0.3114

■ 69.4252, 0.2198,
0.3113

■ 70.5473, 0.2217,
0.3132

■ 71.8952, 0.2250,
0.3151

■ 73.6126, 0.2301,
0.3170

■ 75.7503, 0.2373,
0.3189

■ 78.3509, 0.2464,
0.3208

■ 81.4519, 0.2572,
0.3226

■ 85.0868, 0.2697,
0.3244

■ 89.2861, 0.2835,
0.3261

■ 94.0782, 0.2983,
0.3277

Harmonies

Analogous

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



69.4888, 0.2519, 0.3690



69.4888, 0.2199, 0.3114



69.4888, 0.2111, 0.2665

Triad

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



69.4888, 0.2199, 0.3114



69.4888, 0.3157, 0.2589



69.4888, 0.4032, 0.4146

Complementary

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



69.4888, 0.2199, 0.3114



21.4356, 0.6364, 0.3322

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.



69.4888, 0.4255, 0.3771



69.4888, 0.2199, 0.3114



69.4888, 0.3730, 0.2913

Square

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



69.4888, 0.2199, 0.3114



69.4888, 0.2624, 0.2415



69.4888, 0.4148, 0.3330



69.4888, 0.3573, 0.4325

Rectangle

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



69.4888, 0.2199, 0.3114



69.4888, 0.2184, 0.2484



69.4888, 0.4148, 0.3330



69.4888, 0.4139, 0.4036

Sweetspot

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



69.4913, 0.2199, 0.3114



85.5874, 0.2688, 0.3243



70.9265, 0.2994, 0.5975



17.9771, 0.2634, 0.3236



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.



69.4913, 0.2199, 0.3114



70.0474, 0.2198, 0.3113



19.4805, 0.1722, 0.1393



20.2986, 0.2980, 0.3276



36.6760, 0.2199, 0.3116



3.6216, 0.2205, 0.3137

Inverse Universe

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



27.3991, 0.3355, 0.1623



27.6025, 0.3356, 0.1622



39.9654, 0.5275, 0.4189



18.2820, 0.3147, 0.3069



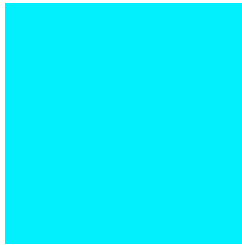
14.4304, 0.3353, 0.1621



1.4101, 0.3335, 0.1611

Previews

White Background



This preview shows how the Yxy color 69.4888, 0.2199, 0.3114 looks on a white background.

Color Contrast Check

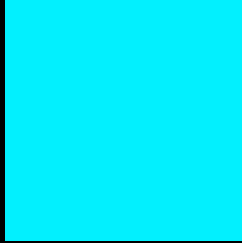
Large Text (above 18pt) WCAG AA × Fail

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 69.4888, 0.2199, 0.3114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

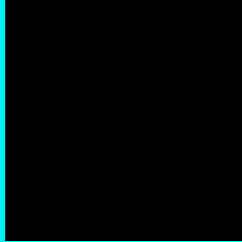
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

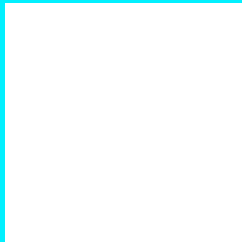
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.4888, 0.2199, 0.3114

Background



This preview shows how black text looks on a background with the Yxy color 69.4888, 0.2199, 0.3114.

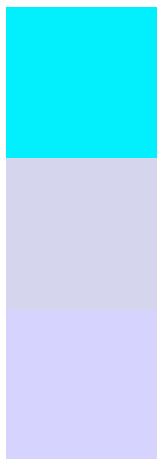


This preview shows how white text looks on a background with the Yxy color 69.4888, 0.2199, 0.3114.

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

69.4888, 0.2199, 0.3114

Protanopia

68.3537, 0.2969, 0.3039

Deuteranopia

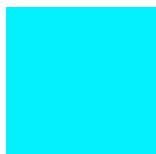
68.1047, 0.2863, 0.2822



Tritanopia

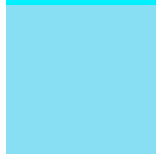
69.3249, 0.2271, 0.3069

Trichromacy



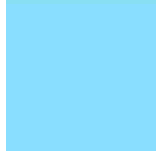
Original Color

69.4888, 0.2199, 0.3114



Protanomaly

64.4807, 0.2491, 0.3046



Deuteranomaly

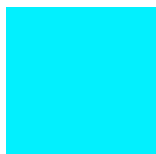
64.7809, 0.2438, 0.2898



Tritanomaly

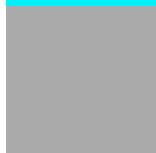
69.0220, 0.2225, 0.3078

Monochromacy



Original Color

69.4888, 0.2199, 0.3114



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

46.4985, 0.2505, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4888, 0.2199, 0.3114 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(2, 240, 254)` looks like.

```
.text, #text, p{  
    color:rgb(2, 240, 254)  
}
```

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(2, 240, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 240, 254) }
```

Border

The CSS property to change the border of an element to Yxy 69.4888, 0.2199, 0.3114 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(2, 240, 254) }
```

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

```
.border{ border-color:rgb(2, 240, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 240, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 240, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 240, 254);  
box-shadow:4px 4px 4px 4px rgb(2, 240,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4888, 0.2199, 0.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 240, 254) }
```

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

```
.background{ background-color: rgb(2, 240,  
254) }
```

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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