

Converting Colors

$Y_{xy}(70.2776, 0.2214, 0.3172)$

Have a look what the booklet for
Yxy(70.2776, 0.2214, 0.3172)
contains.

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Color

Yxy(70.4693, 0.2216, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	01F2FB
RGB	1, 242, 251
RGB Percent	0%, 95%, 98%
CMY	0.9958, 0.0510, 0.0158
CMYK	1.00, 0.04, 0.00, 0.02
HSL	182°, 99%, 49%
HSV	182°, 100%, 98%
XYZ	49.1688, 70.4693, 102.2426
YIQ	170.9670, -146.5250, -48.2930

Conversions

Conversions Part 2

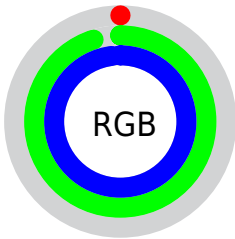
Format	Color
R_{YB}	1, 124, 251
Decimal	127739
CIE _{Lab}	87.23, -43.56, -17.87
CIE _{LCh}	87, 47.087, 202.306
Yxy	70.4693, 0.2216, 0.3176
Android (android.graphics.Color)	4278317819 (0xFF01F2FB)
YUV	170.9670, 39.4563, -149.0611
Hunter-Lab	83.9460, -42.3547, -13.4505

Details

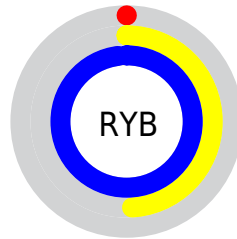
The Yxy color **70.4693, 0.2216, 0.3176** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.7221, 0.6378, 0.3314**, and the grayscale version is **40.5694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **38.6381, 0.2203, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **70.4419, 0.2216, 0.3176**, and if you desaturate by 10%, it is **71.2240, 0.2231, 0.3188**.

Distribution



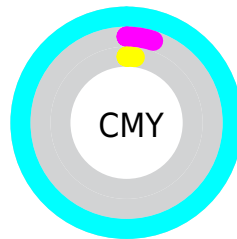
- Red (0%)
- Green (95%)
- Blue (98%)



- Red (0%)
- Yellow (49%)
- Blue (98%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4693, 0.2216, 0.3176 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 70.4693, 0.2216, 0.3176 by changing the saturation by 10% instead.

 70.4693, 0.2216,
0.3176


 70.4693, 0.2216,
0.3176


462.1961, 0.2624,
0.3244


 51.9092, 0.2127,
0.3157


 119.8778, 0.2355,
0.3202

 36.9327, 0.2019,
0.3132


 151.4949, 0.2409,
0.3212

 25.1554, 0.1886,
0.3097


 188.2333, 0.2457,
0.3220

 16.1929, 0.1718,
0.3048

 230.4772, 0.2499,
0.3226

 9.6607, 0.1503,
0.2974

278.6110, 0.2536,
0.3232

 5.1746, 0.1221,
0.2855

333.0192, 0.2568,

 2.3501, 0.0844,

0.3236

0.2647

394.0861, 0.2598,
0.3240

■ 0.8000, 0.0000,
0.2323

■ 0.0000, 0.0000,
0.0000

■ 70.4693, 0.2216,
0.3176

■ 70.4693, 0.2216,
0.3176

■ 70.4419, 0.2216,
0.3176

■ 71.2240, 0.2231,
0.3188

■ 72.2527, 0.2262,
0.3200

■ 73.6358, 0.2311,
0.3212

■ 75.4228, 0.2379,
0.3224

■ 77.6553, 0.2467,
0.3236

■ 80.3695, 0.2573,
0.3248

■ 83.5983, 0.2696,
0.3260

■ 87.3713, 0.2832,
0.3271

■ 91.7160, 0.2979,
0.3281

Harmonies

Analogous

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



70.4693, 0.2564, 0.3761



70.4693, 0.2216, 0.3176



70.4693, 0.2100, 0.2700

Triad

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



70.4693, 0.2216, 0.3176



70.4693, 0.3088, 0.2553



70.4693, 0.4082, 0.4117

Complementary

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



70.4693, 0.2216, 0.3176



20.7221, 0.6378, 0.3314

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.



70.4693, 0.4272, 0.3724



70.4693, 0.2216, 0.3176



70.4693, 0.3673, 0.2865

Square

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



70.4693, 0.2216, 0.3176



70.4693, 0.2565, 0.2398



70.4693, 0.4123, 0.3278



70.4693, 0.3639, 0.4330

Rectangle

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



70.4693, 0.2216, 0.3176



70.4693, 0.2155, 0.2501



70.4693, 0.4123, 0.3278



70.4693, 0.4179, 0.3999

Sweetspot

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



70.4719, 0.2216, 0.3176



86.5260, 0.2690, 0.3259



68.9967, 0.2996, 0.5983



18.2056, 0.2637, 0.3254



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.



70.4719, 0.2216, 0.3176



73.0426, 0.2215, 0.3175



19.8532, 0.1735, 0.1444



19.4955, 0.2980, 0.3281



37.0891, 0.2216, 0.3177



3.4675, 0.2220, 0.3192

Inverse Universe

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



26.9357, 0.3302, 0.1594



27.9048, 0.3303, 0.1593



37.6506, 0.5328, 0.4149



17.5132, 0.3144, 0.3065



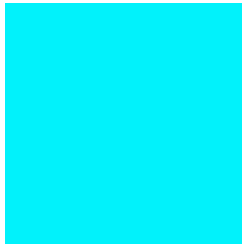
14.1551, 0.3301, 0.1592



1.3143, 0.3289, 0.1586

Previews

White Background



This preview shows how the Yxy color 70.4693, 0.2216, 0.3176 looks on a white background.

Color Contrast Check

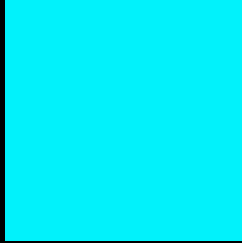
Large Text (above 18pt) WCAG AA × Fail

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 70.4693, 0.2216, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

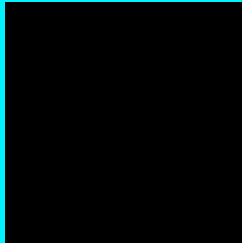
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

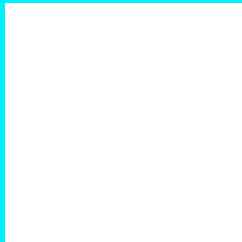
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.4693, 0.2216, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 70.4693, 0.2216, 0.3176.



This preview shows how white text looks on a background with the Yxy color 70.4693, 0.2216, 0.3176.

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

70.4757, 0.2216, 0.3176

Protanopia

68.9885, 0.3002, 0.3083

Deuteranopia

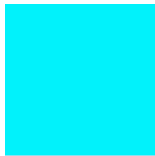
69.2124, 0.2890, 0.2837



Tritanopia

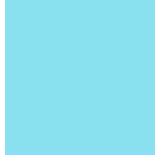
70.5427, 0.2309, 0.3083

Trichromacy



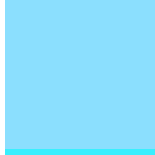
Original Color

70.4757, 0.2216, 0.3176



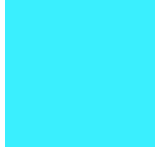
Protanomaly

65.4601, 0.2514, 0.3107



Deuteranomaly

65.4201, 0.2454, 0.2923



Tritanomaly

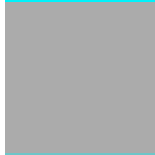
69.7883, 0.2246, 0.3104

Monochromacy



Original Color

70.4757, 0.2216, 0.3176



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 70.4693, 0.2216, 0.3176 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, 242, 251)` looks like.

```
.text, #text, p{  
    color:rgb(1, 242, 251)  
}
```

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, 242, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 242, 251) }
```

Border

The CSS property to change the border of an element to Yxy 70.4693, 0.2216, 0.3176 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, 242, 251) }
```

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

```
.border{ border-color:rgb(1, 242, 251) }
```

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

Here you see how a box with a 4 pixel rgb(1, 242, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 242, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 242, 251);  
box-shadow:4px 4px 4px 4px rgb(1, 242,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4693, 0.2216, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 242, 251) }
```

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

```
.background{ background-color: rgb(1, 242,  
251) }
```

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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