

Converting Colors

$Y_{xy}(37.9779, 0.1823, 0.2268)$

Have a look what the booklet for
Yxy(37.9779, 0.1823, 0.2268)
contains.

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Color

Yxy(39.7344, 0.1973, 0.2302)

Conversions

Conversions Part 1

Format	Color
Hex	00B4FD
RGB	0, 180, 253
RGB Percent	0%, 71%, 99%
CMY	0.9987, 0.2941, 0.0078
CMYK	1.00, 0.29, 0.00, 0.01
HSL	197°, 100%, 50%
HSV	197°, 100%, 99%
XYZ	34.0556, 39.7344, 98.8182
YIQ	134.5020, -130.7130, -15.4570

Conversions

Conversions Part 2

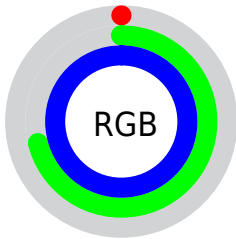
Format	Color
RYB	0, 105, 253
Decimal	46333
CIELab	69.28, -12.46, -46.60
CIELCh	69, 48.239, 255.035
Yxy	39.7344, 0.1973, 0.2302
Android (android.graphics.Color)	4278236413 (0xFF00B4FD)
YUV	134.5020, 58.4195, -117.9583
Hunter-Lab	63.0352, -13.8747, -48.8222

Details

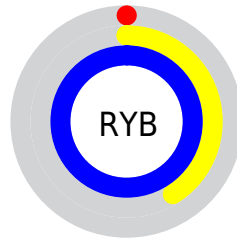
The Yxy color **39.7344, 0.1973, 0.2302** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **25.6990, 0.6018, 0.3603**, and the grayscale version is **23.8896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6556, 0.2372, 0.3062**, and **19.1643, 0.1914, 0.2090** is the 20% darker color. If you saturate the color by 10%, you get **39.6948, 0.1972, 0.2301**, and if you desaturate by 10%, it is **42.9789, 0.2018, 0.2410**.

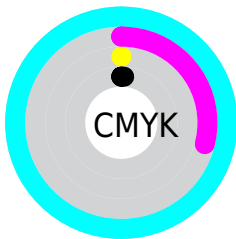
Distribution



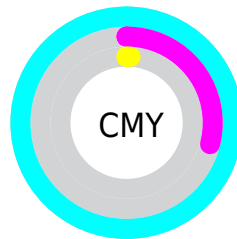
- Red (0%)
- Green (71%)
- Blue (99%)



- Red (0%)
- Yellow (41%)
- Blue (99%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (29%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7344, 0.1973, 0.2302 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 39.7344, 0.1973, 0.2302 by changing the saturation by 10% instead.


 39.7344, 0.1973,
0.2302


 39.7344, 0.1973,
0.2302


345.0028, 0.2527,
0.2795


 27.3315, 0.1846,
0.2184


 74.7589, 0.2167,
0.2478

 17.8224, 0.1690,
0.2037


 98.1493, 0.2242,
0.2545


 10.8225, 0.1497,
0.1851


 125.9710, 0.2306,
0.2602

 5.9476, 0.1255,
0.1609

 158.6084, 0.2362,
0.2652

 2.8133, 0.0951,
0.1293

 196.4459, 0.2411,
0.2694

 1.0350, 0.0575,
0.0885

239.8679, 0.2454,

 0.0000, 0.0000,

0.2732

0.0000

289.2587, 0.2493,
0.2765

■ 39.7344, 0.1973,
0.2302

■ 39.7344, 0.1973,
0.2302

■ 39.6948, 0.1972,
0.2301

■ 42.9789, 0.2018,
0.2410

■ 46.6549, 0.2081,
0.2521

■ 50.8480, 0.2165,
0.2631

■ 55.6113, 0.2268,
0.2741

■ 60.9896, 0.2389,
0.2848

■ 67.0222, 0.2523,
0.2950

■ 73.7447, 0.2668,
0.3046

■ 81.1896, 0.2819,
0.3135

■ 89.3870, 0.2974,
0.3217

Harmonies

Analogous

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



39.7344, 0.1895, 0.2669



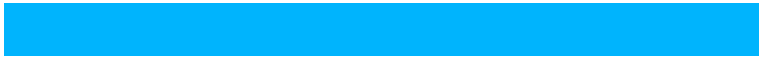
39.7344, 0.1973, 0.2302



39.7344, 0.2316, 0.2204

Triad

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



39.7344, 0.1973, 0.2302



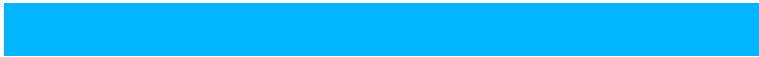
39.7344, 0.4257, 0.3131



39.7344, 0.3221, 0.4539

Complementary

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



39.7344, 0.1973, 0.2302



25.6990, 0.6018, 0.3603

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.



39.7344, 0.3887, 0.4538



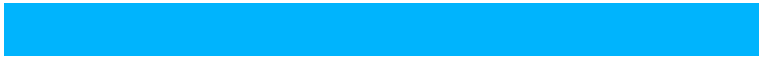
39.7344, 0.1973, 0.2302



39.7344, 0.4538, 0.3659

Square

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



39.7344, 0.1973, 0.2302



39.7344, 0.3627, 0.2667



39.7344, 0.4381, 0.4171



39.7344, 0.2565, 0.4052

Rectangle

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



39.7344, 0.1973, 0.2302



39.7344, 0.2683, 0.2270



39.7344, 0.4381, 0.4171



39.7344, 0.3451, 0.4593

Sweetspot

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



39.7357, 0.1973, 0.2302



74.9611, 0.2666, 0.3045



70.7317, 0.2907, 0.5663



15.4091, 0.2604, 0.3005



0.0000, 0.0000, 0.0000



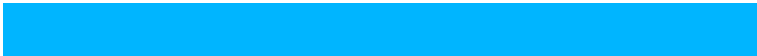
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.7357, 0.1973, 0.2302



40.3929, 0.1972, 0.2300



9.8353, 0.1556, 0.0801



19.5424, 0.2980, 0.3220



21.3755, 0.1977, 0.2318



2.2691, 0.2012, 0.2442

Inverse Universe

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



24.1885, 0.4124, 0.2046



24.6088, 0.4126, 0.2047



61.3988, 0.4645, 0.4693



18.2056, 0.3183, 0.3122



12.8858, 0.4107, 0.2036



1.2736, 0.3980, 0.1966

Previews

White Background



This preview shows how the Yxy color 39.7344, 0.1973, 0.2302 looks on a white background.

Color Contrast Check

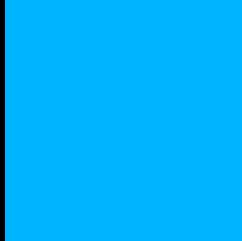
Large Text (above 18pt) WCAG AA × Fail

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 39.7344, 0.1973, 0.2302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

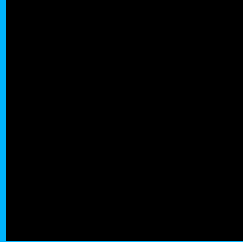
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

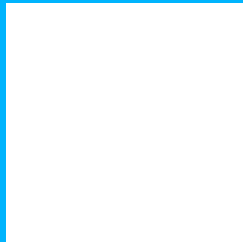
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7344, 0.1973, 0.2302

Background



This preview shows how black text looks on a background with the Yxy color 39.7344, 0.1973, 0.2302.



This preview shows how white text looks on a background with the Yxy color 39.7344, 0.1973, 0.2302.

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

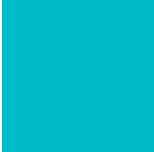
39.7344, 0.1973, 0.2302

Protanopia

39.1904, 0.2421, 0.2324

Deuteranopia

39.2931, 0.2251, 0.2185



Tritanopia

39.7577, 0.2186, 0.3070

Trichromacy



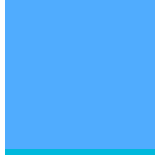
Original Color

39.7344, 0.1973, 0.2302



Protanomaly

37.6173, 0.2142, 0.2284



Deuteranomaly

38.3663, 0.2071, 0.2210



Tritanomaly

39.4483, 0.2098, 0.2754

Monochromacy



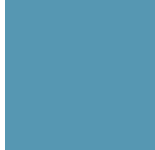
Original Color

39.7344, 0.1973, 0.2302



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.3260, 0.2378, 0.2833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7344, 0.1973, 0.2302 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, 180, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 253)  
}
```

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, 180, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 253) }
```

Border

The CSS property to change the border of an element to Yxy 39.7344, 0.1973, 0.2302 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, 180, 253) }
```

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

```
.border{ border-color:rgb(0, 180, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 180, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 180, 253); box-shadow:4px 4px 4px 4px rgb(0, 180, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7344, 0.1973, 0.2302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 253) }
```

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

```
.background{ background-color: rgb(0, 180,  
253) }
```

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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