

Converting Colors

$Y_{xy}(37.5359, 0.1285, 0.1567)$

Have a look what the booklet for
Yxy(37.5359, 0.1285, 0.1567)
contains.

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Color

Yxy(41.5010, 0.1983, 0.2339)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00B8FF |
| RGB | 0, 184, 255 |
| RGB Percent | 0%, 72%, 100% |
| CMY | 1.0000, 0.2784, 0.0001 |
| CMYK | 1.00, 0.28, 0.00, 0.00 |
| HSL | 197°, 100%, 50% |
| HSV | 197°, 100%, 100% |
| XYZ | 35.1845, 41.5010, 100.7451 |
| YIQ | 137.0780, -132.4550, -16.9270 |

Conversions

Conversions Part 2

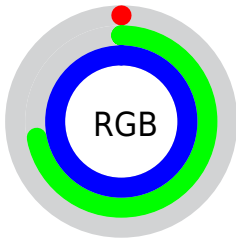
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 107, 255 |
| Decimal | 47359 |
| CIELab | 70.53, -13.94, -45.71 |
| CIElCh | 71, 47.786, 253.034 |
| Yxy | 41.5010, 0.1983, 0.2339 |
| Android (android.graphics.Color) | 4278237439 (0xFF00B8FF) |
| YUV | 137.0780, 58.1355, -120.2174 |
| Hunter-Lab | 64.4213, -15.2472, -47.6256 |

Details

The Yxy color **41.5010, 0.1983, 0.2339** is a dark color, and the websafe version is hex **66CCFF**. The color can be described as middle saturated azure. A complement of this color would be **25.7584, 0.6046, 0.3581**, and the grayscale version is **24.8627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0509, 0.2386, 0.3111**, and **20.3098, 0.1927, 0.2138** is the 20% darker color. If you saturate the color by 10%, you get **41.5041, 0.1983, 0.2339**, and if you desaturate by 10%, it is **44.7402, 0.2027, 0.2443**.

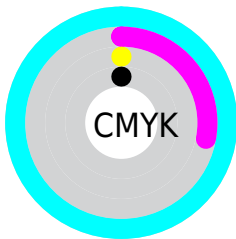
Distribution



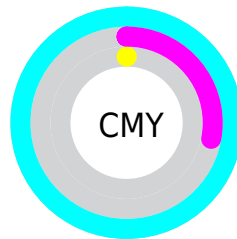
- Red (0%)
- Green (72%)
- Blue (100%)



- Red (0%)
- Yellow (42%)
- Blue (100%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5010, 0.1983, 0.2339 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 41.5010, 0.1983, 0.2339 by changing the saturation by 10% instead.

41.5010, 0.1983,
0.2339

41.5010, 0.1983,
0.2339

352.4102, 0.2529,
0.2812

28.7108, 0.1859,
0.2226

77.4438, 0.2173,
0.2508

18.8621, 0.1706,
0.2085

101.3652, 0.2247,
0.2572

11.5707, 0.1518,
0.1906

129.7658, 0.2311,
0.2627

6.4521, 0.1281,
0.1673

163.0300, 0.2366,
0.2675

3.1219, 0.0984,
0.1367

201.5421, 0.2414,
0.2716

1.1957, 0.0620,
0.0967

245.6866, 0.2457,

0.0582, 0.0000,

0.2752

0.0104

295.8478, 0.2495,
0.2784

■ 0.0000, 0.0000,
0.0000

■ 41.5010, 0.1983,
0.2339

■ 41.5010, 0.1983,
0.2339

■ 41.5041, 0.1983,
0.2339

■ 44.7402, 0.2027,
0.2443

■ 48.4040, 0.2088,
0.2549

■ 52.5823, 0.2170,
0.2655

■ 57.3291, 0.2271,
0.2761

■ 62.6899, 0.2390,
0.2863

■ 68.7047, 0.2523,
0.2961

■ 75.4095, 0.2667,
0.3054

■ 82.8371, 0.2818,
0.3140

■ 91.0181, 0.2972,
0.3219

Harmonies

Analogous

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



41.5010, 0.1924, 0.2719



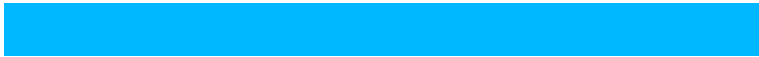
41.5010, 0.1983, 0.2339



41.5010, 0.2303, 0.2225

Triad

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



41.5010, 0.1983, 0.2339



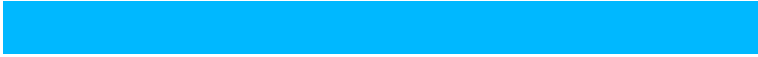
41.5010, 0.4198, 0.3103



41.5010, 0.3266, 0.4522

Complementary

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



41.5010, 0.1983, 0.2339



25.7584, 0.6046, 0.3581

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.



41.5010, 0.3912, 0.4495



41.5010, 0.1983, 0.2339



41.5010, 0.4500, 0.3620

Square

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



41.5010, 0.1983, 0.2339



41.5010, 0.3568, 0.2654



41.5010, 0.4377, 0.4125



41.5010, 0.2617, 0.4076

Rectangle

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



41.5010, 0.1983, 0.2339



41.5010, 0.2653, 0.2280



41.5010, 0.4377, 0.4125



41.5010, 0.3491, 0.4564

Sweetspot

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



41.5041, 0.1983, 0.2339



75.4236, 0.2667, 0.3054



71.9238, 0.2917, 0.5702



15.5201, 0.2605, 0.3016



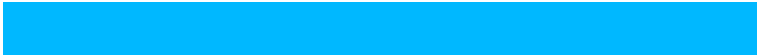
0.0000, 0.0000, 0.0000



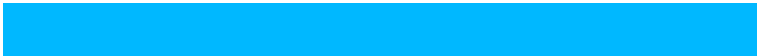
21.4041, 0.3127, 0.3290

Same Dimension

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



41.5041, 0.1983, 0.2339



41.5118, 0.1983, 0.2339



10.3977, 0.1563, 0.0828



19.5764, 0.2980, 0.3222



21.9552, 0.1988, 0.2356



2.3218, 0.2021, 0.2476

Inverse Universe

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



24.7171, 0.4086, 0.2024



24.7218, 0.4086, 0.2024



60.5033, 0.4687, 0.4660



18.2090, 0.3181, 0.3120



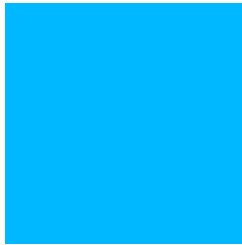
12.9444, 0.4068, 0.2015



1.2789, 0.3947, 0.1948

Previews

White Background



This preview shows how the Yxy color 41.5010, 0.1983, 0.2339 looks on a white background.

Color Contrast Check

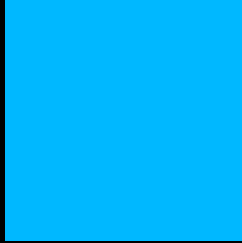
Large Text (above 18pt) WCAG AA × Fail

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 41.5010, 0.1983, 0.2339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

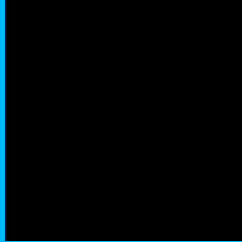
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

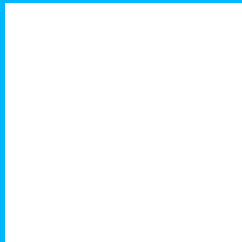
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.5010, 0.1983, 0.2339

Background



This preview shows how black text looks on a background with the Yxy color 41.5010, 0.1983, 0.2339.



This preview shows how white text looks on a background with the Yxy color 41.5010, 0.1983, 0.2339.

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

41.5010, 0.1983, 0.2339

Protanopia

41.1429, 0.2444, 0.2362

Deuteranopia

41.3324, 0.2298, 0.2247



Tritanopia

41.2347, 0.2183, 0.3058

Trichromacy



Original Color

41.5010, 0.1983, 0.2339

Protanomaly

39.3672, 0.2155, 0.2322

Deuteranomaly

40.2020, 0.2098, 0.2260

Tritanomaly

41.2942, 0.2105, 0.2776

Monochromacy



Original Color

41.5010, 0.1983, 0.2339

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

28.4327, 0.2383, 0.2855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5010, 0.1983, 0.2339 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, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 255)  
}
```

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, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.5010, 0.1983, 0.2339 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, 184, 255) }
```

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

```
.border{ border-color:rgb(0, 184, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5010, 0.1983, 0.2339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 255) }
```

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

```
.background{ background-color: rgb(0, 184,  
255) }
```

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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