

Converting Colors

$Yxy(38.1426, 0.1913, 0.2401)$

Have a look what the booklet for
Yxy(38.1426, 0.1913, 0.2401)
contains.

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Color

Yxy(39.1136, 0.2003, 0.2411)

Conversions

Conversions Part 1

Format	Color
Hex	00B4F3
RGB	0, 180, 243
RGB Percent	0%, 71%, 95%
CMY	1.0000, 0.2941, 0.0471
CMYK	1.00, 0.26, 0.00, 0.05
HSL	196°, 100%, 48%
HSV	196°, 100%, 95%
XYZ	32.4946, 39.1136, 90.6216
YIQ	133.3620, -127.5030, -18.5670

Conversions

Conversions Part 2

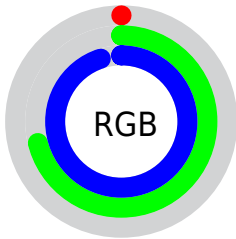
Format	Color
RYB	0, 103, 243
Decimal	46323
CIELab	68.83, -16.04, -41.86
CIELCh	69, 44.832, 249.032
Yxy	39.1136, 0.2003, 0.2411
Android (android.graphics.Color)	4278236403 (0xFF00B4F3)
YUV	133.3620, 54.0515, -116.9585
Hunter-Lab	62.5409, -16.7025, -42.1325

Details

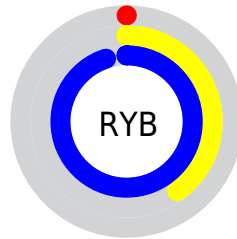
The Yxy color **39.1136, 0.2003, 0.2411** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **22.6056, 0.6084, 0.3551**, and the grayscale version is **23.4298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5259, 0.2365, 0.3062**, and **18.7666, 0.1946, 0.2206** is the 20% darker color. If you saturate the color by 10%, you get **39.1165, 0.2003, 0.2411**, and if you desaturate by 10%, it is **41.9155, 0.2045, 0.2507**.

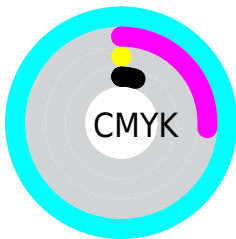
Distribution



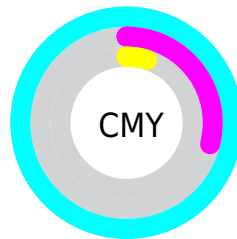
- Red (0%)
- Green (71%)
- Blue (95%)



- Red (0%)
- Yellow (40%)
- Blue (95%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (29%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1136, 0.2003, 0.2411 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 39.1136, 0.2003, 0.2411 by changing the saturation by 10% instead.


 39.1136, 0.2003,
0.2411


 39.1136, 0.2003,
0.2411


342.3732, 0.2546,
0.2858


 26.8481, 0.1877,
0.2301


 73.8118, 0.2194,
0.2573

 17.4592, 0.1722,
0.2163


 97.0134, 0.2268,
0.2634


 10.5624, 0.1527,
0.1984


 124.6290, 0.2331,
0.2685

 5.7734, 0.1281,
0.1748

 157.0432, 0.2386,
0.2730

 2.7078, 0.0968,
0.1429

 194.6403, 0.2433,
0.2768

 0.9812, 0.0550,
0.1003

237.8048, 0.2476,

 0.0000, 0.0000,

0.2802

0.0000

286.9210, 0.2513,
0.2831

■ 39.1136, 0.2003,
0.2411

■ 39.1136, 0.2003,
0.2411

■ 39.1165, 0.2003,
0.2411

■ 41.9155, 0.2045,
0.2507

■ 45.0788, 0.2104,
0.2605

■ 48.6850, 0.2183,
0.2703

■ 52.7814, 0.2282,
0.2800

■ 57.4080, 0.2398,
0.2895

■ 62.6000, 0.2528,
0.2985

■ 68.3891, 0.2670,
0.3071

■ 74.8042, 0.2819,
0.3151

■ 81.8720, 0.2972,
0.3224

Harmonies

Analogous

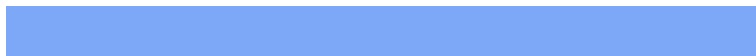
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.1136, 0.1981, 0.2815



39.1136, 0.2003, 0.2411



39.1136, 0.2280, 0.2266

Triad

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



39.1136, 0.2003, 0.2411



39.1136, 0.4085, 0.3050



39.1136, 0.3352, 0.4487

Complementary

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



39.1136, 0.2003, 0.2411



22.6056, 0.6084, 0.3551

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.



39.1136, 0.3957, 0.4413



39.1136, 0.2003, 0.2411



39.1136, 0.4427, 0.3545

Square

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



39.1136, 0.2003, 0.2411



39.1136, 0.3459, 0.2629



39.1136, 0.4365, 0.4037



39.1136, 0.2718, 0.4118

Rectangle

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



39.1136, 0.2003, 0.2411



39.1136, 0.2599, 0.2299



39.1136, 0.4365, 0.4037



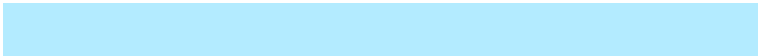
39.1136, 0.3565, 0.4509

Sweetspot

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



39.1165, 0.2003, 0.2411



76.2594, 0.2669, 0.3070



64.4288, 0.2926, 0.5732



15.7208, 0.2608, 0.3035



0.0000, 0.0000, 0.0000



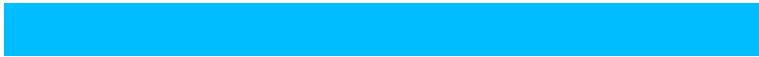
21.4041, 0.3127, 0.3290

Same Dimension

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



39.1165, 0.2003, 0.2411



43.5750, 0.2002, 0.2409



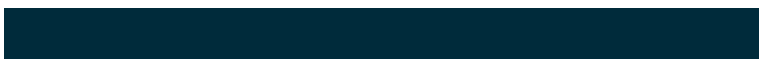
9.7810, 0.1573, 0.0863



17.9882, 0.2980, 0.3227



21.7003, 0.2007, 0.2426



2.0727, 0.2041, 0.2548

Inverse Universe

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



22.3484, 0.4012, 0.1984



24.9301, 0.4014, 0.1985



52.6078, 0.4728, 0.4628



16.6906, 0.3178, 0.3116



12.2900, 0.3996, 0.1975



1.0969, 0.3875, 0.1908

Previews

White Background



This preview shows how the Yxy color 39.1136, 0.2003, 0.2411 looks on a white background.

Color Contrast Check

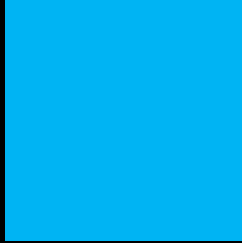
Large Text (above 18pt) WCAG AA × Fail

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 39.1136, 0.2003, 0.2411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

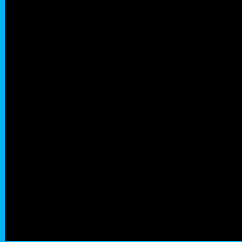
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

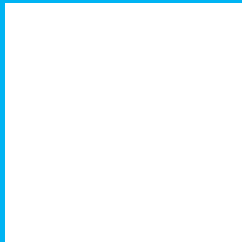
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.1136, 0.2003, 0.2411

Background



This preview shows how black text looks on a background with the Yxy color 39.1136, 0.2003, 0.2411.

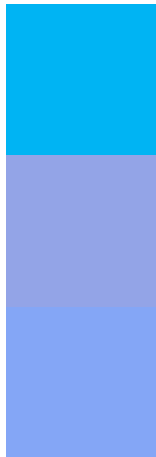


This preview shows how white text looks on a background with the Yxy color 39.1136, 0.2003, 0.2411.

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

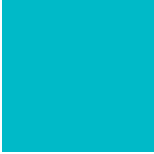
39.1136, 0.2003, 0.2411

Protanopia

38.5235, 0.2496, 0.2420

Deuteranopia

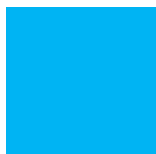
38.8318, 0.2324, 0.2268



Tritanopia

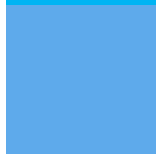
39.2879, 0.2186, 0.3069

Trichromacy



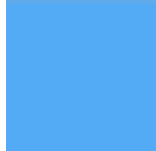
Original Color

39.1136, 0.2003, 0.2411



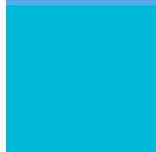
Protanomaly

37.1273, 0.2191, 0.2394



Deuteranomaly

37.6032, 0.2114, 0.2291



Tritanomaly

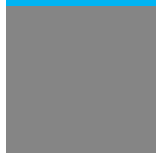
39.2388, 0.2113, 0.2808

Monochromacy



Original Color

39.1136, 0.2003, 0.2411



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.7611, 0.2400, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1136, 0.2003, 0.2411 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 243) }
```

Border

The CSS property to change the border of an element to Yxy 39.1136, 0.2003, 0.2411 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, 243) }
```

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

```
.border{ border-color:rgb(0, 180, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1136, 0.2003, 0.2411 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, 243) }
```

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

```
.background{ background-color: rgb(0, 180,  
243) }
```

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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