

Converting Colors

$Y_{xy}(34.1157, 0.1584, 0.2220)$

Have a look what the booklet for
Yxy(34.1157, 0.1584, 0.2220)
contains.

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Color

Yxy(38.6803, 0.1977, 0.2316)

Conversions

Conversions Part 1

Format	Color
Hex	01B2F9
RGB	1, 178, 249
RGB Percent	0%, 70%, 98%
CMY	0.9978, 0.3020, 0.0237
CMYK	1.00, 0.29, 0.00, 0.02
HSL	197°, 100%, 49%
HSV	197°, 100%, 98%
XYZ	33.0185, 38.6803, 95.3145
YIQ	133.1710, -128.2830, -15.4430

Conversions

Conversions Part 2

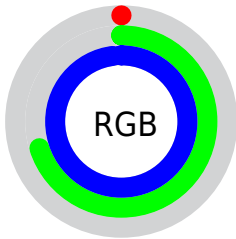
Format	Color
R _Y B	1, 104, 249
Decimal	111353
CIE Lab	68.52, -12.82, -45.60
CIE LCh	69, 47.366, 254.298
Yxy	38.6803, 0.1977, 0.2316
Android (android.graphics.Color)	4278301433 (0xFF01B2F9)
YUV	133.1710, 57.1037, -115.9140
Hunter-Lab	62.1935, -14.0729, -47.3294

Details

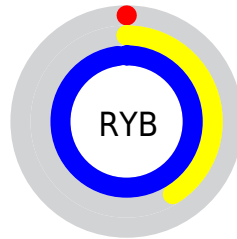
The Yxy color **38.6803, 0.1977, 0.2316** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **24.7051, 0.6022, 0.3599**, and the grayscale version is **23.2912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5104, 0.2367, 0.3038**, and **18.7275, 0.1923, 0.2121** is the 20% darker color. If you saturate the color by 10%, you get **38.6155, 0.1976, 0.2314**, and if you desaturate by 10%, it is **41.7943, 0.2022, 0.2423**.

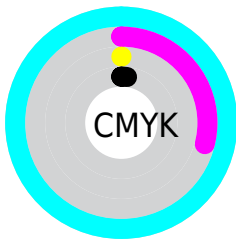
Distribution



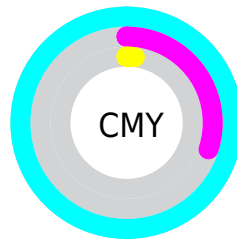
- Red (0%)
- Green (70%)
- Blue (98%)



- Red (0%)
- Yellow (41%)
- Blue (98%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (30%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6803, 0.1977, 0.2316 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 38.6803, 0.1977, 0.2316 by changing the saturation by 10% instead.

 38.6803, 0.1977,
0.2316


 38.6803, 0.1977,
0.2316


340.5293, 0.2532,
0.2805


 26.5111, 0.1849,
0.2198


 73.1497, 0.2172,
0.2491

 17.2064, 0.1692,
0.2051


 96.2186, 0.2247,
0.2558

 10.3818, 0.1496,
0.1862


 123.6897, 0.2311,
0.2615

 5.6528, 0.1249,
0.1617

 155.9471, 0.2367,
0.2664

 2.6351, 0.0939,
0.1295

 193.3754, 0.2416,
0.2706

 0.9444, 0.0542,
0.0877

236.3590, 0.2459,

 0.0000, 0.0000,

0.2743

0.0000

285.2822, 0.2498,
0.2776

■ 38.6803, 0.1977,
0.2316

■ 38.6803, 0.1977,
0.2316

■ 38.6155, 0.1976,
0.2314

■ 41.7943, 0.2022,
0.2423

■ 45.3215, 0.2085,
0.2532

■ 49.3439, 0.2168,
0.2641

■ 53.9122, 0.2271,
0.2749

■ 59.0694, 0.2391,
0.2854

■ 64.8531, 0.2526,
0.2955

■ 71.2974, 0.2670,
0.3050

■ 78.4335, 0.2821,
0.3138

■ 86.2901, 0.2976,
0.3218

Harmonies

Analogous

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



38.6803, 0.1906, 0.2688



38.6803, 0.1977, 0.2316



38.6803, 0.2312, 0.2212

Triad

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



38.6803, 0.1977, 0.2316



38.6803, 0.4235, 0.3121



38.6803, 0.3238, 0.4532

Complementary

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



38.6803, 0.1977, 0.2316



24.7051, 0.6022, 0.3599

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.



38.6803, 0.3896, 0.4521



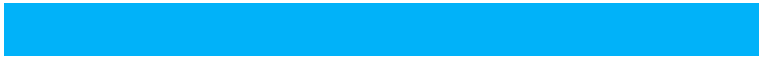
38.6803, 0.1977, 0.2316



38.6803, 0.4523, 0.3644

Square

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



38.6803, 0.1977, 0.2316



38.6803, 0.3605, 0.2662



38.6803, 0.4379, 0.4154



38.6803, 0.2584, 0.4061

Rectangle

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



38.6803, 0.1977, 0.2316



38.6803, 0.2672, 0.2274



38.6803, 0.4379, 0.4154



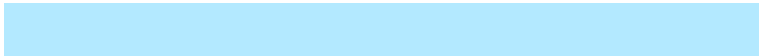
38.6803, 0.3466, 0.4582

Sweetspot

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



38.6816, 0.1977, 0.2316



75.1056, 0.2666, 0.3047



68.1841, 0.2906, 0.5661



15.4438, 0.2604, 0.3008



0.0000, 0.0000, 0.0000



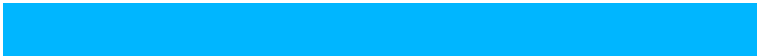
21.4041, 0.3127, 0.3290

Same Dimension

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



38.6816, 0.1977, 0.2316



40.7407, 0.1976, 0.2312



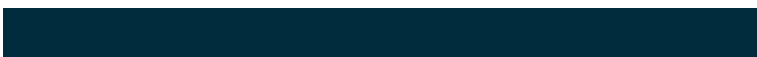
9.5137, 0.1557, 0.0803



18.7215, 0.2980, 0.3221



20.9324, 0.1981, 0.2331



2.1195, 0.2017, 0.2459

Inverse Universe

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



23.3587, 0.4109, 0.2038



24.6439, 0.4113, 0.2040



59.2255, 0.4644, 0.4694



17.4351, 0.3182, 0.3122



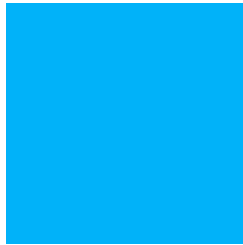
12.5240, 0.4094, 0.2029



1.1782, 0.3963, 0.1957

Previews

White Background



This preview shows how the Yxy color 38.6803, 0.1977, 0.2316 looks on a white background.

Color Contrast Check

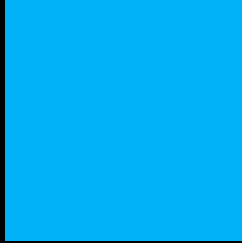
Large Text (above 18pt) WCAG AA × Fail

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 38.6803, 0.1977, 0.2316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

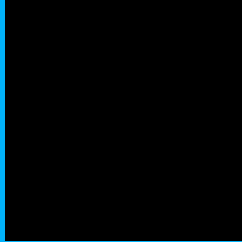
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

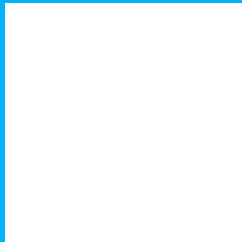
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.6803, 0.1977, 0.2316

Background



This preview shows how black text looks on a background with the Yxy color 38.6803, 0.1977, 0.2316.



This preview shows how white text looks on a background with the Yxy color 38.6803, 0.1977, 0.2316.

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

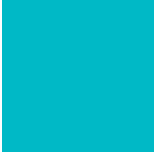
38.6868, 0.1977, 0.2316

Protanopia

38.1485, 0.2433, 0.2337

Deuteranopia

38.2985, 0.2254, 0.2186



Tritanopia

38.7751, 0.2190, 0.3083

Trichromacy



Original Color

38.6868, 0.1977, 0.2316



Protanomaly

36.5803, 0.2147, 0.2297



Deuteranomaly

37.4200, 0.2075, 0.2212



Tritanomaly

38.4657, 0.2101, 0.2762

Monochromacy



Original Color

38.6868, 0.1977, 0.2316



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.5213, 0.2384, 0.2844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6803, 0.1977, 0.2316 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, 178, 249)` looks like.

```
.text, #text, p{  
    color:rgb(1, 178, 249)  
}
```

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, 178, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 178, 249) }
```

Border

The CSS property to change the border of an element to Yxy 38.6803, 0.1977, 0.2316 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, 178, 249) }
```

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

```
.border{ border-color:rgb(1, 178, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 178, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 178, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 178, 249);  
box-shadow:4px 4px 4px 4px rgb(1, 178,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6803, 0.1977, 0.2316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 178, 249) }
```

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

```
.background{ background-color: rgb(1, 178,  
249) }
```

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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