

Converting Colors

$Y_{xy}(32.9438, 0.1527, 0.2239)$

Have a look what the booklet for
Yxy(32.9438, 0.1527, 0.2239)
contains.

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Color

Yxy(38.0369, 0.1985, 0.2344)

Conversions

Conversions Part 1

Format	Color
Hex	01B1F5
RGB	1, 177, 245
RGB Percent	0%, 69%, 96%
CMY	0.9962, 0.3059, 0.0392
CMYK	1.00, 0.28, 0.00, 0.04
HSL	197°, 99%, 48%
HSV	197°, 100%, 96%
XYZ	32.2113, 38.0369, 92.0253
YIQ	132.1280, -126.7240, -16.1640

Conversions

Conversions Part 2

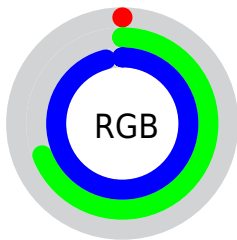
Format	Color
R_{YB}	1, 103, 245
Decimal	111093
CIE _{Lab}	68.05, -13.68, -44.18
CIE _{LCh}	68, 46.253, 252.802
Yxy	38.0369, 0.1985, 0.2344
Android (android.graphics.Color)	4278301173 (0xFF01B1F5)
YUV	132.1280, 55.6459, -114.9993
Hunter-Lab	61.6741, -14.7022, -45.2961

Details

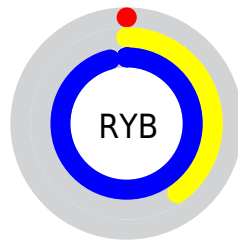
The Yxy color **38.0369, 0.1985, 0.2344** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **23.6683, 0.6032, 0.3589**, and the grayscale version is **22.9477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8773, 0.2360, 0.3025**, and **18.2981, 0.1932, 0.2154** is the 20% darker color. If you saturate the color by 10%, you get **37.9240, 0.1983, 0.2340**, and if you desaturate by 10%, it is **41.0097, 0.2029, 0.2448**.

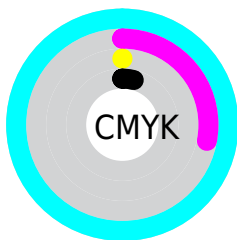
Distribution



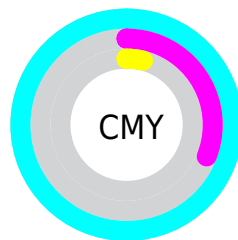
- Red (0%)
- Green (69%)
- Blue (96%)



- Red (0%)
- Yellow (40%)
- Blue (96%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (4%)




- Cyan (100%)
- Magenta (31%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0369, 0.1985, 0.2344 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 38.0369, 0.1985, 0.2344 by changing the saturation by 10% instead.


 38.0369, 0.1985,
0.2344


 38.0369, 0.1985,
0.2344


337.7782, 0.2538,
0.2822


 26.0113, 0.1857,
0.2228


 72.1647, 0.2180,
0.2516


 16.8321, 0.1699,
0.2081


 95.0357, 0.2255,
0.2582


 10.1149, 0.1501,
0.1894


 122.2907, 0.2319,
0.2637

 5.4752, 0.1251,
0.1648

 154.3139, 0.2375,
0.2685

 2.5287, 0.0936,
0.1321

 191.4899, 0.2423,
0.2726

 0.8909, 0.0515,
0.0895

234.2031, 0.2466,

 0.0000, 0.0000,

0.2762

0.0000

282.8377, 0.2504,
0.2794

■ 38.0369, 0.1985,
0.2344

■ 38.0369, 0.1985,
0.2344

■ 37.9240, 0.1983,
0.2340

■ 41.0097, 0.2029,
0.2448

■ 44.3764, 0.2092,
0.2554

■ 48.2144, 0.2175,
0.2660

■ 52.5722, 0.2277,
0.2765

■ 57.4907, 0.2396,
0.2868

■ 63.0060, 0.2530,
0.2965

■ 69.1506, 0.2674,
0.3058

■ 75.9543, 0.2824,
0.3143

■ 83.4447, 0.2978,
0.3222

Harmonies

Analogous

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



38.0369, 0.1928, 0.2725



38.0369, 0.1985, 0.2344



38.0369, 0.2303, 0.2228

Triad

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



38.0369, 0.1985, 0.2344



38.0369, 0.4190, 0.3101



38.0369, 0.3271, 0.4519

Complementary

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



38.0369, 0.1985, 0.2344



23.6683, 0.6032, 0.3589

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.



38.0369, 0.3914, 0.4489



38.0369, 0.1985, 0.2344



38.0369, 0.4495, 0.3615

Square

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



38.0369, 0.1985, 0.2344



38.0369, 0.3561, 0.2653



38.0369, 0.4375, 0.4119



38.0369, 0.2624, 0.4078

Rectangle

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



38.0369, 0.1985, 0.2344



38.0369, 0.2650, 0.2282



38.0369, 0.4375, 0.4119



38.0369, 0.3495, 0.4560

Sweetspot

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



38.0382, 0.1985, 0.2344



75.4076, 0.2667, 0.3053



65.7019, 0.2915, 0.5692



15.5162, 0.2605, 0.3015



0.0000, 0.0000, 0.0000



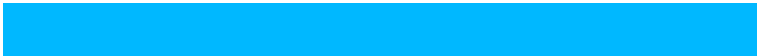
21.4041, 0.3127, 0.3290

Same Dimension

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



38.0382, 0.1985, 0.2344



41.4726, 0.1983, 0.2338



9.6163, 0.1567, 0.0837



17.9313, 0.2980, 0.3222



20.6765, 0.1988, 0.2357



1.9897, 0.2024, 0.2488

Inverse Universe

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



22.6067, 0.4080, 0.2023



24.7178, 0.4087, 0.2025



55.4049, 0.4683, 0.4662



16.6849, 0.3181, 0.3121



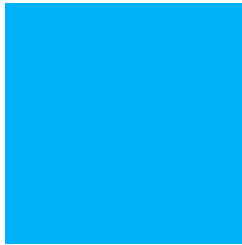
12.1867, 0.4067, 0.2014



1.0885, 0.3934, 0.1941

Previews

White Background



This preview shows how the Yxy color 38.0369, 0.1985, 0.2344 looks on a white background.

Color Contrast Check

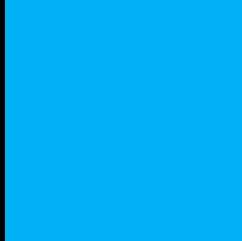
Large Text (above 18pt) WCAG AA × Fail

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 38.0369, 0.1985, 0.2344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

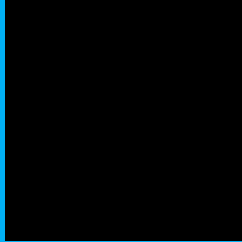
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

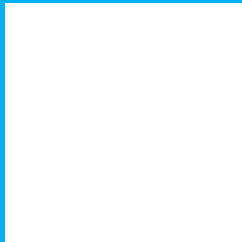
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.0369, 0.1985, 0.2344

Background



This preview shows how black text looks on a background with the Yxy color 38.0369, 0.1985, 0.2344.



This preview shows how white text looks on a background with the Yxy color 38.0369, 0.1985, 0.2344.

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

38.0433, 0.1985, 0.2344

Protanopia

37.5635, 0.2453, 0.2365

Deuteranopia

37.7638, 0.2275, 0.2213



Tritanopia

37.8982, 0.2185, 0.3066

Trichromacy



Original Color

38.0433, 0.1985, 0.2344



Protanomaly

35.9760, 0.2160, 0.2326



Deuteranomaly

36.8407, 0.2089, 0.2239



Tritanomaly

37.9028, 0.2108, 0.2787

Monochromacy



Original Color

38.0433, 0.1985, 0.2344



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.0818, 0.2387, 0.2857

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0369, 0.1985, 0.2344 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, 177, 245)` looks like.

```
.text, #text, p{  
    color:rgb(1, 177, 245)  
}
```

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, 177, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 177, 245) }
```

Border

The CSS property to change the border of an element to Yxy 38.0369, 0.1985, 0.2344 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, 177, 245) }
```

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

```
.border{ border-color:rgb(1, 177, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 177, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 177, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 177, 245);  
box-shadow:4px 4px 4px 4px rgb(1, 177,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0369, 0.1985, 0.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 177, 245) }
```

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

```
.background{ background-color: rgb(1, 177,  
245) }
```

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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