

Converting Colors

$Y_{xy}(38.1680, 0.1859, 0.2191)$

Have a look what the booklet for
Yxy(38.1680, 0.1859, 0.2191)
contains.

Yxy(39.0608, 0.1959, 0.2253)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.0608, 0.1959, 0.2253)

Conversions

Conversions Part 1

Format	Color
Hex	00B2FF
RGB	0, 178, 255
RGB Percent	0%, 70%, 100%
CMY	1.0000, 0.3019, 0.0000
CMYK	1.00, 0.30, 0.00, 0.00
HSL	198°, 100%, 50%
HSV	198°, 100%, 100%
XYZ	33.9637, 39.0608, 100.3479
YIQ	133.5560, -130.8050, -13.7890

Conversions

Conversions Part 2

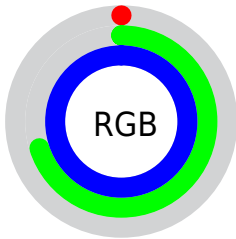
Format	Color
R _{YB}	0, 105, 255
Decimal	45823
CIE _{Lab}	68.80, -10.69, -48.43
CIE _{LCh}	69, 49.598, 257.556
Yxy	39.0608, 0.1959, 0.2253
Android (android.graphics.Color)	4278235903 (0xFF00B2FF)
YUV	133.5560, 59.8719, -117.1286
Hunter-Lab	62.4986, -12.3703, -51.4471

Details

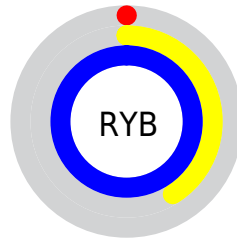
The Yxy color **39.0608, 0.1959, 0.2253** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **26.5627, 0.5990, 0.3626**, and the grayscale version is **23.4844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5763, 0.2370, 0.3038**, and **18.9989, 0.1902, 0.2047** is the 20% darker color. If you saturate the color by 10%, you get **39.0653, 0.1959, 0.2253**, and if you desaturate by 10%, it is **42.4284, 0.2006, 0.2367**.

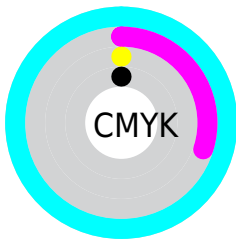
Distribution



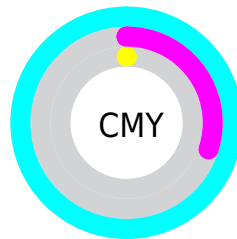
- Red (0%)
- Green (70%)
- Blue (100%)



- Red (0%)
- Yellow (41%)
- Blue (100%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0608, 0.1959, 0.2253 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 39.0608, 0.1959, 0.2253 by changing the saturation by 10% instead.


 39.0608, 0.1959,
0.2253


 39.0608, 0.1959,
0.2253

342.1489, 0.2520,
0.2768


 26.8070, 0.1830,
0.2131


 73.7312, 0.2155,
0.2436


 17.4283, 0.1673,
0.1979


 96.9166, 0.2231,
0.2506


 10.5404, 0.1478,
0.1787


 124.5147, 0.2296,
0.2566

 5.7587, 0.1234,
0.1540

 156.9098, 0.2353,
0.2618

 2.6989, 0.0930,
0.1221

 194.4864, 0.2403,
0.2662

 0.9766, 0.0556,
0.0817

237.6289, 0.2447,

 0.0000, 0.0000,

0.2702

0.0000

286.7216, 0.2485,
0.2737

■ 39.0608, 0.1959,
0.2253

■ 39.0608, 0.1959,
0.2253

■ 39.0653, 0.1959,
0.2253

■ 42.4284, 0.2006,
0.2367

■ 46.2438, 0.2070,
0.2482

■ 50.5991, 0.2156,
0.2598

■ 55.5486, 0.2261,
0.2714

■ 61.1386, 0.2383,
0.2826

■ 67.4095, 0.2519,
0.2933

■ 74.3980, 0.2664,
0.3033

■ 82.1374, 0.2817,
0.3127

■ 90.6588, 0.2972,
0.3213

Harmonies

Analogous

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



39.0608, 0.1855, 0.2604



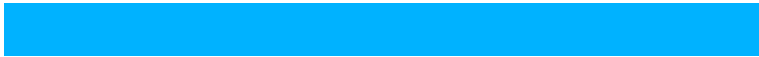
39.0608, 0.1959, 0.2253



39.0608, 0.2333, 0.2176

Triad

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



39.0608, 0.1959, 0.2253



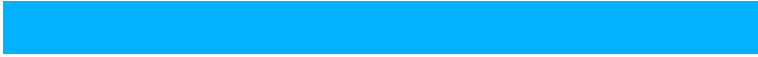
39.0608, 0.4337, 0.3168



39.0608, 0.3160, 0.4563

Complementary

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



39.0608, 0.1959, 0.2253



26.5627, 0.5990, 0.3626

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.



39.0608, 0.3854, 0.4596



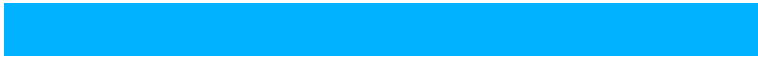
39.0608, 0.1959, 0.2253



39.0608, 0.4587, 0.3711

Square

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



39.0608, 0.1959, 0.2253



39.0608, 0.3705, 0.2684



39.0608, 0.4388, 0.4234



39.0608, 0.2494, 0.4020

Rectangle

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



39.0608, 0.1959, 0.2253



39.0608, 0.2722, 0.2257



39.0608, 0.4388, 0.4234



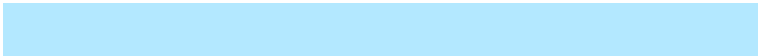
39.0608, 0.3398, 0.4632

Sweetspot

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



39.0653, 0.1959, 0.2253



74.4045, 0.2664, 0.3033



72.0424, 0.2897, 0.5628



15.2757, 0.2602, 0.2992



0.0000, 0.0000, 0.0000



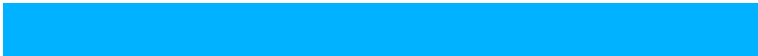
21.4041, 0.3127, 0.3290

Same Dimension

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



39.0653, 0.1959, 0.2253



39.0687, 0.1959, 0.2253



9.5868, 0.1548, 0.0772



19.5013, 0.2980, 0.3217



20.6890, 0.1965, 0.2272



2.2065, 0.2001, 0.2402

Inverse Universe

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



24.4730, 0.4176, 0.2074



24.4751, 0.4176, 0.2074



64.4401, 0.4606, 0.4725



18.2015, 0.3185, 0.3125



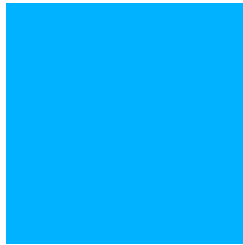
12.8165, 0.4156, 0.2063



1.2673, 0.4021, 0.1989

Previews

White Background



This preview shows how the Yxy color 39.0608, 0.1959, 0.2253 looks on a white background.

Color Contrast Check

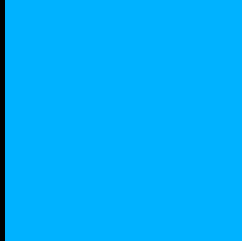
Large Text (above 18pt) WCAG AA × Fail

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 39.0608, 0.1959, 0.2253 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

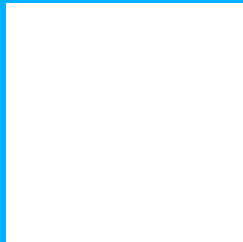
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.0608, 0.1959, 0.2253

Background



This preview shows how black text looks on a background with the Yxy color 39.0608, 0.1959, 0.2253.

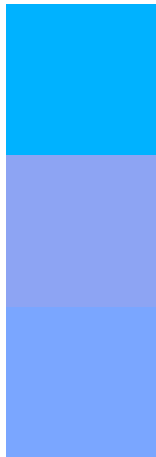


This preview shows how white text looks on a background with the Yxy color 39.0608, 0.1959, 0.2253.

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

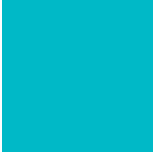
39.0608, 0.1959, 0.2253

Protanopia

38.6847, 0.2389, 0.2286

Deuteranopia

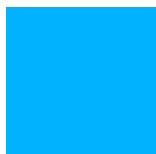
38.6300, 0.2227, 0.2166



Tritanopia

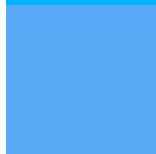
38.8214, 0.2186, 0.3068

Trichromacy



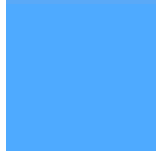
Original Color

39.0608, 0.1959, 0.2253



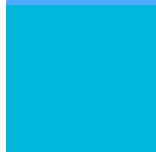
Protanomaly

37.2650, 0.2123, 0.2248



Deuteranomaly

37.5892, 0.2054, 0.2171



Tritanomaly

38.5704, 0.2093, 0.2736

Monochromacy



Original Color

39.0608, 0.1959, 0.2253



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

26.9583, 0.2369, 0.2815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0608, 0.1959, 0.2253 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, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 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, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.0608, 0.1959, 0.2253 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, 178, 255) }
```

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

```
.border{ border-color:rgb(0, 178, 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, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0608, 0.1959, 0.2253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 255) }
```

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

```
.background{ background-color: rgb(0, 178,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor