

Converting Colors

$Y_{xy}(39.2597, 0.1963, 0.2260)$

Have a look what the booklet for
Yxy(39.2597, 0.1963, 0.2260)
contains.

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Color

Yxy(39.0866, 0.1961, 0.2253)

Conversions

Conversions Part 1

Format	Color
Hex	04B2FF
RGB	4, 178, 255
RGB Percent	2%, 70%, 100%
CMY	0.9852, 0.3019, 0.0000
CMYK	0.99, 0.30, 0.00, 0.00
HSL	198°, 100%, 51%
HSV	198°, 99%, 100%
XYZ	34.0208, 39.0866, 100.3795
YIQ	134.7520, -128.4210, -12.9410

Conversions

Conversions Part 2

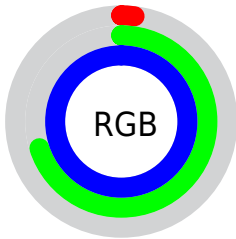
Format	Color
R _Y B	4, 107, 255
Decimal	307967
CIE Lab	68.81, -10.57, -48.42
CIE LCh	69, 49.561, 257.687
Yxy	39.0866, 0.1961, 0.2253
Android (android.graphics.Color)	4278498047 (0xFF04B2FF)
YUV	134.7520, 59.2823, -114.6695
Hunter-Lab	62.5193, -12.2753, -51.4312

Details

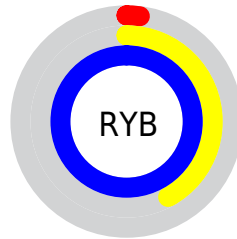
The Yxy color **39.0866, 0.1961, 0.2253** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **27.1194, 0.5945, 0.3649**, and the grayscale version is **23.9188, 0.3127, 0.3290**.

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 **38.6033, 0.1955, 0.2236**, and if you desaturate by 10%, it is **42.5265, 0.2010, 0.2369**.

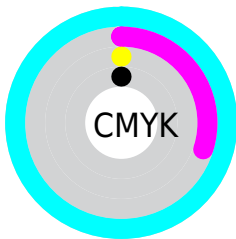
Distribution



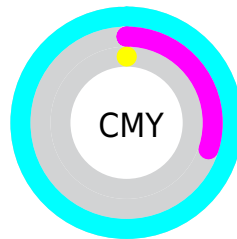
- Red (2%)
- Green (70%)
- Blue (100%)



- Red (2%)
- Yellow (42%)
- Blue (100%)



- Cyan (99%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)




- Cyan (99%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0866, 0.1961, 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 39.0866, 0.1961, 0.2253 by changing the saturation by 10% instead.


 39.0866, 0.1961,
0.2253


 39.0866, 0.1961,
0.2253


342.2585, 0.2521,
0.2767


 26.8271, 0.1833,
0.2131


 73.7706, 0.2157,
0.2436

 17.4434, 0.1676,
0.1979


 96.9639, 0.2233,
0.2506


 10.5511, 0.1481,
0.1787


 124.5706, 0.2298,
0.2566

 5.7659, 0.1237,
0.1541

 156.9750, 0.2355,
0.2618

 2.7032, 0.0933,
0.1222

 194.5616, 0.2404,
0.2662

 0.9788, 0.0559,
0.0818

237.7148, 0.2448,

 0.0000, 0.0000,

0.2702

0.0000

286.8190, 0.2487,
0.2736

■ 39.0866, 0.1961,
0.2253

■ 39.0866, 0.1961,
0.2253

■ 38.6033, 0.1955,
0.2236

■ 42.5265, 0.2010,
0.2369

■ 46.4466, 0.2078,
0.2486

■ 50.9205, 0.2167,
0.2605

■ 56.0013, 0.2276,
0.2721

■ 61.7343, 0.2401,
0.2835

■ 68.1594, 0.2539,
0.2943

■ 75.3129, 0.2686,
0.3044

■ 83.2279, 0.2839,
0.3138

■ 91.9351, 0.2995,
0.3223

Harmonies

Analogous

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



39.0866, 0.1856, 0.2602



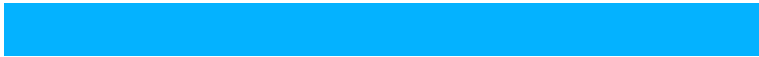
39.0866, 0.1961, 0.2253



39.0866, 0.2335, 0.2177

Triad

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



39.0866, 0.1961, 0.2253



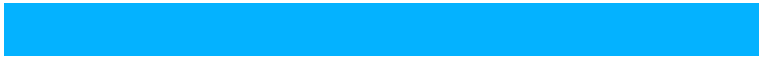
39.0866, 0.4338, 0.3170



39.0866, 0.3157, 0.4560

Complementary

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



39.0866, 0.1961, 0.2253



27.1194, 0.5945, 0.3649

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.



39.0866, 0.3851, 0.4596



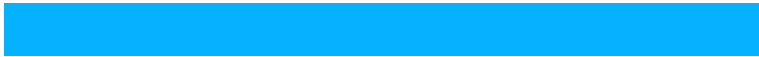
39.0866, 0.1961, 0.2253



39.0866, 0.4586, 0.3713

Square

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



39.0866, 0.1961, 0.2253



39.0866, 0.3708, 0.2686



39.0866, 0.4385, 0.4235



39.0866, 0.2492, 0.4016

Rectangle

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



39.0866, 0.1961, 0.2253



39.0866, 0.2726, 0.2258



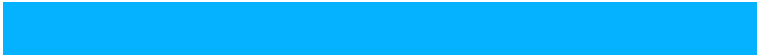
39.0866, 0.4385, 0.4235



39.0866, 0.3395, 0.4630

Sweetspot

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



39.0863, 0.1961, 0.2253



74.2065, 0.2664, 0.3029



72.1110, 0.2892, 0.5602



15.2283, 0.2601, 0.2987



0.0000, 0.0000, 0.0000



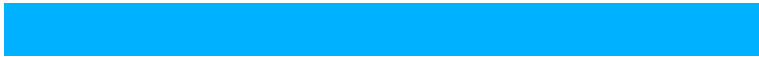
21.4041, 0.3127, 0.3290

Same Dimension

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



39.0863, 0.1961, 0.2253



38.6033, 0.1955, 0.2236



9.8846, 0.1556, 0.0792



19.4866, 0.2980, 0.3215



20.4477, 0.1960, 0.2255



2.1845, 0.1997, 0.2387

Inverse Universe

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



24.5564, 0.4175, 0.2079



24.4282, 0.4194, 0.2084



64.8138, 0.4596, 0.4726



18.2000, 0.3185, 0.3127



12.7922, 0.4173, 0.2073



1.2651, 0.4036, 0.1997

Previews

White Background



This preview shows how the Yxy color 39.0866, 0.1961, 0.2253 looks on a white background.

Color Contrast Check

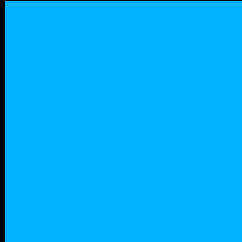
Large Text (above 18pt) WCAG AA × Fail

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 39.0866, 0.1961, 0.2253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

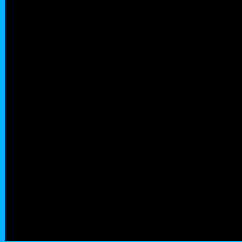
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

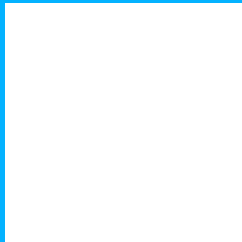
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.0866, 0.1961, 0.2253

Background



This preview shows how black text looks on a background with the Yxy color 39.0866, 0.1961, 0.2253.



This preview shows how white text looks on a background with the Yxy color 39.0866, 0.1961, 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

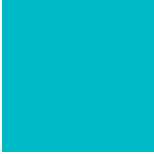
39.0866, 0.1961, 0.2253

Protanopia

38.6847, 0.2389, 0.2286

Deuteranopia

38.6300, 0.2227, 0.2166



Tritanopia

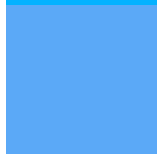
38.8214, 0.2186, 0.3068

Trichromacy



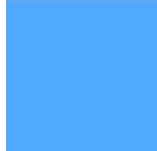
Original Color

39.0866, 0.1961, 0.2253



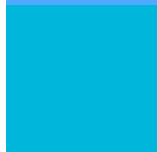
Protanomaly

37.3155, 0.2127, 0.2249



Deuteranomaly

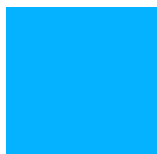
37.6317, 0.2057, 0.2172



Tritanomaly

38.5768, 0.2094, 0.2736

Monochromacy



Original Color

39.0866, 0.1961, 0.2253



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.4141, 0.2378, 0.2818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0866, 0.1961, 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(4, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(4, 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(4, 178, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 39.0866, 0.1961, 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(4, 178, 255) }
```

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

```
.border{ border-color:rgb(4, 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(4, 178, 255) colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 39.0866, 0.1961, 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(4, 178, 255) }
```

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

```
.background{ background-color: rgb(4, 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](#).

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