

Converting Colors

$Yxy(41.6539, 0.1985, 0.2344)$

Have a look what the booklet for
Yxy(41.6539, 0.1985, 0.2344)
contains.

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Color

Yxy(41.5074, 0.1984, 0.2339)

Conversions

Conversions Part 1

Format	Color
Hex	02B8FF
RGB	2, 184, 255
RGB Percent	1%, 72%, 100%
CMY	0.9925, 0.2785, 0.0001
CMYK	0.99, 0.28, 0.00, 0.00
HSL	197°, 100%, 50%
HSV	197°, 99%, 100%
XYZ	35.2076, 41.5074, 100.7428
YIQ	137.6760, -131.2630, -16.5030

Conversions

Conversions Part 2

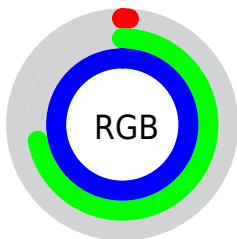
Format	Color
R _Y B	2, 108, 255
Decimal	178431
CIE Lab	70.53, -13.88, -45.70
CIE LCh	71, 47.759, 253.099
Yxy	41.5074, 0.1984, 0.2339
Android (android.graphics.Color)	4278368511 (0xFF02B8FF)
YUV	137.6760, 57.8407, -118.9879
Hunter-Lab	64.4262, -15.1992, -47.6130

Details

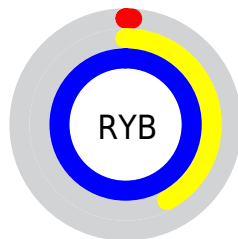
The Yxy color **41.5074, 0.1984, 0.2339** is a dark color, and the websafe version is hex **66CCFF**. The color can be described as middle saturated azure. A complement of this color would be **26.0124, 0.6024, 0.3592**, and the grayscale version is **25.0873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0509, 0.2386, 0.3111**, and **20.3098, 0.1927, 0.2138** is the 20% darker color. If you saturate the color by 10%, you get **41.2728, 0.1981, 0.2331**, and if you desaturate by 10%, it is **44.7821, 0.2029, 0.2444**.

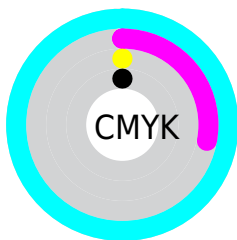
Distribution



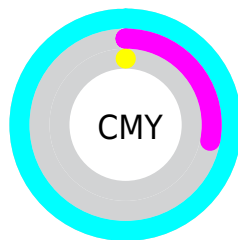
- Red (1%)
- Green (72%)
- Blue (100%)



- Red (1%)
- Yellow (42%)
- Blue (100%)



- Cyan (99%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (99%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5074, 0.1984, 0.2339 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 41.5074, 0.1984, 0.2339 by changing the saturation by 10% instead.

41.5074, 0.1984,
0.2339

41.5074, 0.1984,
0.2339

352.4368, 0.2529,
0.2812

28.7158, 0.1860,
0.2226

77.4535, 0.2174,
0.2508

18.8659, 0.1708,
0.2085

101.3769, 0.2248,
0.2572

11.5734, 0.1519,
0.1906

129.7795, 0.2311,
0.2627

6.4539, 0.1282,
0.1673

163.0459, 0.2366,
0.2675

3.1230, 0.0985,
0.1367

201.5604, 0.2415,
0.2716

1.1963, 0.0622,
0.0967

245.7075, 0.2457,

0.0587, 0.0000,

0.2752

0.0104

295.8715, 0.2495,
0.2784

■ 0.0000, 0.0000,
0.0000

■ 41.5074, 0.1984,
0.2339

■ 41.5074, 0.1984,
0.2339

■ 41.2728, 0.1981,
0.2331

■ 44.7821, 0.2029,
0.2444

■ 48.4973, 0.2092,
0.2551

■ 52.7337, 0.2176,
0.2658

■ 57.5446, 0.2279,
0.2764

■ 62.9751, 0.2399,
0.2867

■ 69.0648, 0.2533,
0.2966

■ 75.8494, 0.2678,
0.3059

■ 83.3618, 0.2829,
0.3145

■ 91.6324, 0.2984,
0.3224

Harmonies

Analogous

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



41.5074, 0.1924, 0.2718



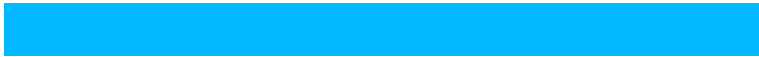
41.5074, 0.1984, 0.2339



41.5074, 0.2305, 0.2225

Triad

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



41.5074, 0.1984, 0.2339



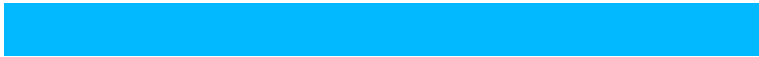
41.5074, 0.4198, 0.3105



41.5074, 0.3265, 0.4521

Complementary

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



41.5074, 0.1984, 0.2339



26.0124, 0.6024, 0.3592

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.



41.5074, 0.3911, 0.4494



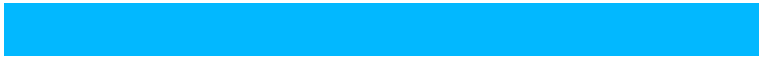
41.5074, 0.1984, 0.2339



41.5074, 0.4500, 0.3621

Square

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



41.5074, 0.1984, 0.2339



41.5074, 0.3569, 0.2655



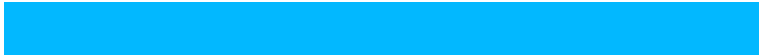
41.5074, 0.4375, 0.4125



41.5074, 0.2616, 0.4074

Rectangle

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



41.5074, 0.1984, 0.2339



41.5074, 0.2655, 0.2281



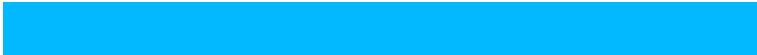
41.5074, 0.4375, 0.4125



41.5074, 0.3489, 0.4563

Sweetspot

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



41.5088, 0.1984, 0.2339



75.3290, 0.2667, 0.3052



71.9519, 0.2915, 0.5690



15.4974, 0.2605, 0.3013



0.0000, 0.0000, 0.0000



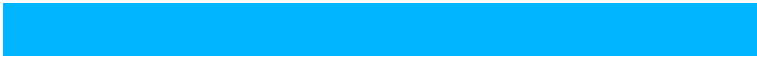
21.4041, 0.3127, 0.3290

Same Dimension

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



41.5088, 0.1984, 0.2339



41.2814, 0.1981, 0.2331



10.5649, 0.1568, 0.0839



19.5694, 0.2980, 0.3222



21.8358, 0.1986, 0.2349



2.3110, 0.2019, 0.2469

Inverse Universe

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



24.7576, 0.4085, 0.2027



24.6985, 0.4094, 0.2029



60.7081, 0.4681, 0.4661



18.2083, 0.3181, 0.3121



12.9323, 0.4076, 0.2019



1.2778, 0.3953, 0.1952

Previews

White Background



This preview shows how the Yxy color 41.5074, 0.1984, 0.2339 looks on a white background.

Color Contrast Check

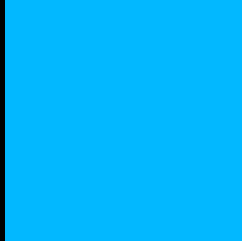
Large Text (above 18pt) WCAG AA × Fail

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 41.5074, 0.1984, 0.2339 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

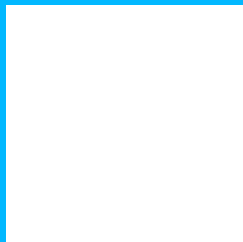
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.5074, 0.1984, 0.2339

Background



This preview shows how black text looks on a background with the Yxy color 41.5074, 0.1984, 0.2339.



This preview shows how white text looks on a background with the Yxy color 41.5074, 0.1984, 0.2339.

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

41.5139, 0.1984, 0.2339

Protanopia

41.1429, 0.2444, 0.2362

Deuteranopia

41.3324, 0.2298, 0.2247



Tritanopia

41.2347, 0.2183, 0.3058

Trichromacy



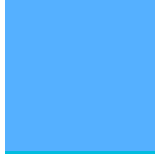
Original Color

41.5139, 0.1984, 0.2339



Protanomaly

39.4204, 0.2159, 0.2322



Deuteranomaly

40.2020, 0.2098, 0.2260



Tritanomaly

41.3006, 0.2105, 0.2777

Monochromacy



Original Color

41.5139, 0.1984, 0.2339



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

28.9027, 0.2392, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5074, 0.1984, 0.2339 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(2, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(2, 184, 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(2, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 184, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.5074, 0.1984, 0.2339 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(2, 184, 255) }
```

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

```
.border{ border-color:rgb(2, 184, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(2, 184,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5074, 0.1984, 0.2339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 184, 255) }
```

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

```
.background{ background-color: rgb(2, 184,  
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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