

Converting Colors

$Y_{xy}(39.0908, 0.1242, 0.1542)$

Have a look what the booklet for
Yxy(39.0908, 0.1242, 0.1542)
contains.

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Color

Yxy(43.1864, 0.1999, 0.2396)

Conversions

Conversions Part 1

Format	Color
Hex	00BCFF
RGB	0, 188, 255
RGB Percent	0%, 74%, 100%
CMY	0.9996, 0.2627, 0.0001
CMYK	1.00, 0.26, 0.00, 0.00
HSL	196°, 100%, 50%
HSV	196°, 100%, 100%
XYZ	36.0307, 43.1864, 101.0266
YIQ	139.4260, -133.5550, -19.0190

Conversions

Conversions Part 2

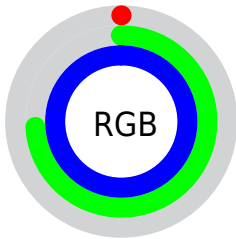
Format	Color
RYB	0, 108, 255
Decimal	48383
CIELab	71.68, -16.07, -43.89
CIELCh	72, 46.744, 249.892
Yxy	43.1864, 0.1999, 0.2396
Android (android.graphics.Color)	4278238463 (0xFF00BCFF)
YUV	139.4260, 56.9780, -122.2766
Hunter-Lab	65.7164, -17.1363, -45.1458

Details

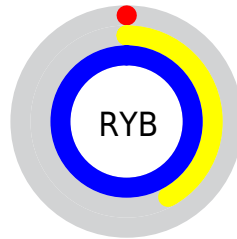
The Yxy color **43.1864, 0.1999, 0.2396** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **25.2801, 0.6080, 0.3554**, and the grayscale version is **25.8190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4321, 0.2396, 0.3159**, and **21.4052, 0.1948, 0.2211** is the 20% darker color. If you saturate the color by 10%, you get **43.1755, 0.1999, 0.2396**, and if you desaturate by 10%, it is **46.3313, 0.2041, 0.2494**.

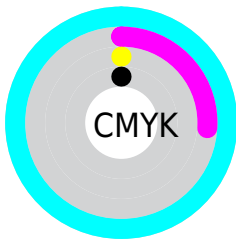
Distribution



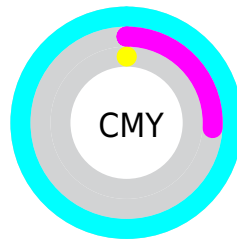
- Red (0%)
- Green (74%)
- Blue (100%)



- Red (0%)
- Yellow (42%)
- Blue (100%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)




- Cyan (100%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.1864, 0.1999, 0.2396 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 43.1864, 0.1999, 0.2396 by changing the saturation by 10% instead.


 43.1864, 0.1999,
0.2396


 43.1864, 0.1999,
0.2396


359.3778, 0.2534,
0.2842


 30.0314, 0.1877,
0.2289


 79.9921, 0.2185,
0.2555


 19.8624, 0.1728,
0.2155


 104.4115, 0.2258,
0.2616

 12.2951, 0.1544,
0.1985


 133.3546, 0.2320,
0.2668

 6.9450, 0.1312,
0.1762

 167.2056, 0.2374,
0.2712

 3.4277, 0.1020,
0.1467

 206.3491, 0.2422,
0.2751

 1.3589, 0.0661,
0.1073

251.1693, 0.2464,

 0.1861, 0.0000,

0.2785

0.0322

302.0508, 0.2501,
0.2815

■ 0.0000, 0.0000,
0.0000

■ 43.1864, 0.1999,
0.2396

■ 43.1864, 0.1999,
0.2396

■ 43.1755, 0.1999,
0.2396

■ 46.3313, 0.2041,
0.2494

■ 49.8876, 0.2100,
0.2593

■ 53.9430, 0.2180,
0.2693

■ 58.5511, 0.2279,
0.2792

■ 63.7570, 0.2395,
0.2888

■ 69.6003, 0.2527,
0.2981

■ 76.1167, 0.2669,
0.3068

■ 83.3389, 0.2819,
0.3149

■ 91.2970, 0.2973,
0.3223

Harmonies

Analogous

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



43.1864, 0.1970, 0.2795



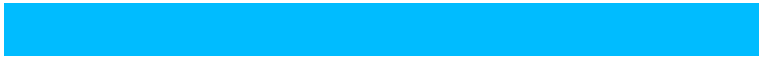
43.1864, 0.1999, 0.2396



43.1864, 0.2285, 0.2257

Triad

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



43.1864, 0.1999, 0.2396



43.1864, 0.4108, 0.3062



43.1864, 0.3334, 0.4494

Complementary

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



43.1864, 0.1999, 0.2396



25.2801, 0.6080, 0.3554

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.



43.1864, 0.3948, 0.4430



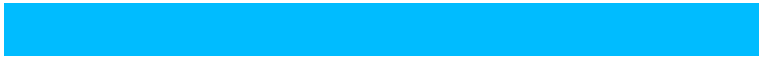
43.1864, 0.1999, 0.2396



43.1864, 0.4442, 0.3561

Square

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



43.1864, 0.1999, 0.2396



43.1864, 0.3482, 0.2634



43.1864, 0.4367, 0.4055



43.1864, 0.2697, 0.4109

Rectangle

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



43.1864, 0.1999, 0.2396



43.1864, 0.2610, 0.2295



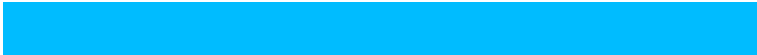
43.1864, 0.4367, 0.4055



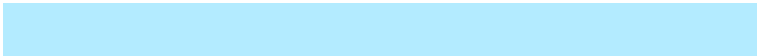
43.1864, 0.3550, 0.4520

Sweetspot

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



43.1878, 0.1999, 0.2396



76.1023, 0.2668, 0.3067



71.8760, 0.2927, 0.5736



15.6831, 0.2607, 0.3031



0.0000, 0.0000, 0.0000



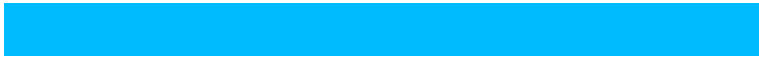
21.4041, 0.3127, 0.3290

Same Dimension

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



43.1878, 0.1999, 0.2396



43.1831, 0.1999, 0.2396



10.8662, 0.1572, 0.0860



19.6261, 0.2980, 0.3226



22.8206, 0.2003, 0.2412



2.4002, 0.2035, 0.2524

Inverse Universe

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



24.8895, 0.4027, 0.1992



24.8905, 0.4028, 0.1992



58.6319, 0.4729, 0.4627



18.2141, 0.3178, 0.3116



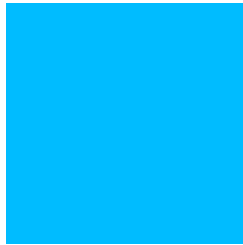
13.0317, 0.4011, 0.1983



1.2868, 0.3899, 0.1921

Previews

White Background



This preview shows how the Yxy color 43.1864, 0.1999, 0.2396 looks on a white background.

Color Contrast Check

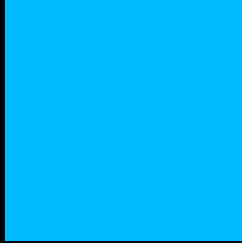
Large Text (above 18pt) WCAG AA × Fail

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 43.1864, 0.1999, 0.2396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

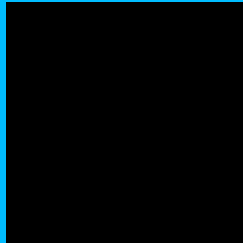
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.1864, 0.1999, 0.2396

Background



This preview shows how black text looks on a background with the Yxy color 43.1864, 0.1999, 0.2396.

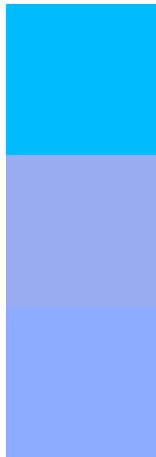


This preview shows how white text looks on a background with the Yxy color 43.1864, 0.1999, 0.2396.

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

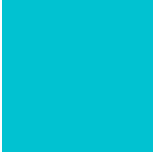
43.1864, 0.1999, 0.2396

Protanopia

42.6882, 0.2488, 0.2418

Deuteranopia

42.6826, 0.2342, 0.2282



Tritanopia

43.1870, 0.2184, 0.3062

Trichromacy



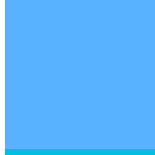
Original Color

43.1864, 0.1999, 0.2396



Protanomaly

41.0976, 0.2180, 0.2380



Deuteranomaly

41.1846, 0.2118, 0.2290



Tritanomaly

43.1903, 0.2111, 0.2798

Monochromacy



Original Color

43.1864, 0.1999, 0.2396



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.5248, 0.2393, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1864, 0.1999, 0.2396 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, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 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, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.1864, 0.1999, 0.2396 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, 188, 255) }
```

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

```
.border{ border-color:rgb(0, 188, 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, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1864, 0.1999, 0.2396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 255) }
```

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

```
.background{ background-color: rgb(0, 188,  
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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