

Converting Colors

$Y_{xy}(39.7791, 0.1984, 0.2344)$

Have a look what the booklet for
Yxy(39.7791, 0.1984, 0.2344)
contains.

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Color

Yxy(39.9499, 0.1986, 0.2349)

Conversions

Conversions Part 1

Format	Color
Hex	00B5FA
RGB	0, 181, 250
RGB Percent	0%, 71%, 98%
CMY	0.9992, 0.2902, 0.0197
CMYK	1.00, 0.28, 0.00, 0.02
HSL	197°, 100%, 49%
HSV	197°, 100%, 98%
XYZ	33.7763, 39.9499, 96.3458
YIQ	134.7470, -130.0250, -16.9130

Conversions

Conversions Part 2

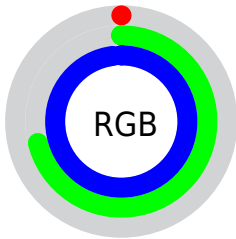
Format	Color
R _{YB}	0, 105, 250
Decimal	46586
CIE Lab	69.43, -14.09, -44.71
CIE LCh	69, 46.878, 252.504
Yxy	39.9499, 0.1986, 0.2349
Android (android.graphics.Color)	4278236666 (0xFF00B5FA)
YUV	134.7470, 56.8197, -118.1731
Hunter-Lab	63.2059, -15.2227, -46.1325

Details

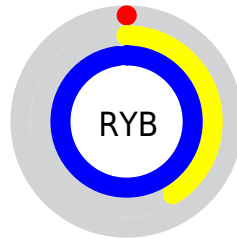
The Yxy color **39.9499, 0.1986, 0.2349** is a dark color, and the websafe version is hex **66CCFF**. The color can be described as middle saturated azure. A complement of this color would be **24.5963, 0.6047, 0.3580**, and the grayscale version is **23.9765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2331, 0.2374, 0.3074**, and **19.2886, 0.1929, 0.2146** is the 20% darker color. If you saturate the color by 10%, you get **39.9260, 0.1986, 0.2348**, and if you desaturate by 10%, it is **43.0362, 0.2030, 0.2452**.

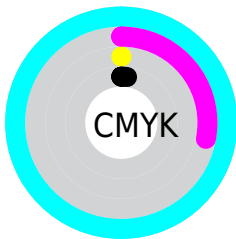
Distribution



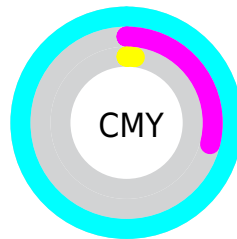
- Red (0%)
- Green (71%)
- Blue (98%)



- Red (0%)
- Yellow (41%)
- Blue (98%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (29%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9499, 0.1986, 0.2349 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 39.9499, 0.1986, 0.2349 by changing the saturation by 10% instead.


 39.9499, 0.1986,
0.2349


 39.9499, 0.1986,
0.2349


345.9124, 0.2534,
0.2821

 27.4995, 0.1860,
0.2235


 75.0872, 0.2178,
0.2518


 17.9487, 0.1705,
0.2092


 98.5429, 0.2252,
0.2583


 10.9132, 0.1513,
0.1910


 126.4358, 0.2316,
0.2638

 6.0085, 0.1271,
0.1672

 159.1503, 0.2371,
0.2685

 2.8502, 0.0965,
0.1358

 197.0708, 0.2420,
0.2725

 1.0541, 0.0581,
0.0945

240.5818, 0.2462,

 0.0000, 0.0000,

0.2761

0.0000

290.0675, 0.2500,
0.2793

■ 39.9499, 0.1986,
0.2349

■ 39.9499, 0.1986,
0.2349

■ 39.9260, 0.1986,
0.2348

■ 43.0362, 0.2030,
0.2452

■ 46.5282, 0.2091,
0.2557

■ 50.5099, 0.2173,
0.2662

■ 55.0323, 0.2274,
0.2767

■ 60.1387, 0.2393,
0.2868

■ 65.8672, 0.2525,
0.2965

■ 72.2518, 0.2669,
0.3057

■ 79.3240, 0.2819,
0.3142

■ 87.1126, 0.2973,
0.3220

Harmonies

Analogous

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



39.9499, 0.1932, 0.2732



39.9499, 0.1986, 0.2349



39.9499, 0.2300, 0.2231

Triad

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



39.9499, 0.1986, 0.2349



39.9499, 0.4182, 0.3096



39.9499, 0.3278, 0.4517

Complementary

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



39.9499, 0.1986, 0.2349



24.5963, 0.6047, 0.3580

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.



39.9499, 0.3918, 0.4483



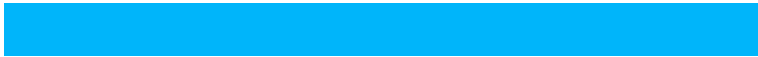
39.9499, 0.1986, 0.2349



39.9499, 0.4490, 0.3609

Square

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



39.9499, 0.1986, 0.2349



39.9499, 0.3553, 0.2651



39.9499, 0.4375, 0.4112



39.9499, 0.2631, 0.4082

Rectangle

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



39.9499, 0.1986, 0.2349



39.9499, 0.2646, 0.2283



39.9499, 0.4375, 0.4112



39.9499, 0.3501, 0.4556

Sweetspot

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



39.9512, 0.1986, 0.2349



75.5197, 0.2667, 0.3056



68.7554, 0.2917, 0.5699



15.5432, 0.2605, 0.3018



0.0000, 0.0000, 0.0000



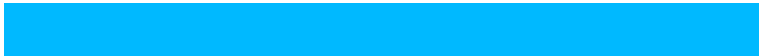
21.4041, 0.3127, 0.3290

Same Dimension

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



39.9512, 0.1986, 0.2349



41.7463, 0.1985, 0.2347



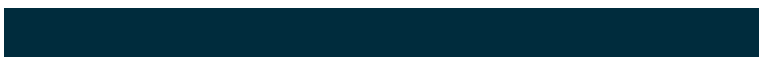
9.9771, 0.1564, 0.0831



18.7506, 0.2980, 0.3223



21.4378, 0.1990, 0.2365



2.1630, 0.2025, 0.2489

Inverse Universe

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



23.6590, 0.4075, 0.2019



24.7455, 0.4077, 0.2020



57.8823, 0.4686, 0.4661



17.4380, 0.3180, 0.3120



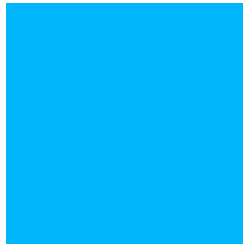
12.5751, 0.4059, 0.2010



1.1826, 0.3933, 0.1940

Previews

White Background



This preview shows how the Yxy color 39.9499, 0.1986, 0.2349 looks on a white background.

Color Contrast Check

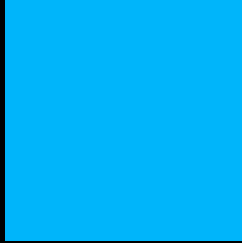
Large Text (above 18pt) WCAG AA × Fail

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 39.9499, 0.1986, 0.2349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

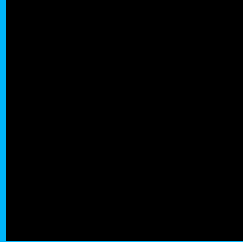
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9499, 0.1986, 0.2349

Background



This preview shows how black text looks on a background with the Yxy color 39.9499, 0.1986, 0.2349.



This preview shows how white text looks on a background with the Yxy color 39.9499, 0.1986, 0.2349.

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

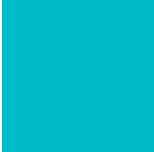
39.9499, 0.1986, 0.2349

Protanopia

39.5565, 0.2453, 0.2371

Deuteranopia

39.7642, 0.2278, 0.2221



Tritanopia

39.7577, 0.2186, 0.3070

Trichromacy



Original Color

39.9499, 0.1986, 0.2349



Protanomaly

37.8638, 0.2161, 0.2331



Deuteranomaly

38.7093, 0.2088, 0.2246



Tritanomaly

39.8124, 0.2106, 0.2783

Monochromacy



Original Color

39.9499, 0.1986, 0.2349



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.6092, 0.2388, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9499, 0.1986, 0.2349 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, 181, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 250)  
}
```

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, 181, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 250) }
```

Border

The CSS property to change the border of an element to Yxy 39.9499, 0.1986, 0.2349 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, 181, 250) }
```

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

```
.border{ border-color:rgb(0, 181, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9499, 0.1986, 0.2349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 250) }
```

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

```
.background{ background-color: rgb(0, 181,  
250) }
```

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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