

Converting Colors

$Yxy(35.0311, 0.1934, 0.2163)$

Have a look what the booklet for
Yxy(35.0311, 0.1934, 0.2163)
contains.

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Color

Yxy(34.9074, 0.1933, 0.2159)

Conversions

Conversions Part 1

Format	Color
Hex	00A8FA
RGB	0, 168, 250
RGB Percent	0%, 66%, 98%
CMY	1.0000, 0.3411, 0.0197
CMYK	1.00, 0.33, 0.00, 0.02
HSL	200°, 100%, 49%
HSV	200°, 100%, 98%
XYZ	31.2534, 34.9074, 95.5224
YIQ	127.1160, -126.4500, -10.1140

Conversions

Conversions Part 2

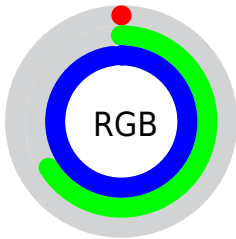
Format	Color
RYB	0, 100, 250
Decimal	43258
CIELab	65.68, -6.95, -50.64
CIELCh	66, 51.113, 262.191
Yxy	34.9074, 0.1933, 0.2159
Android (android.graphics.Color)	4278233338 (0xFF00A8FA)
YUV	127.1160, 60.5818, -111.4807
Hunter-Lab	59.0825, -8.9717, -54.5002

Details

The Yxy color **34.9074, 0.1933, 0.2159** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **26.3531, 0.5924, 0.3679**, and the grayscale version is **21.0876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3749, 0.2334, 0.2900**, and **16.3410, 0.1868, 0.1923** is the 20% darker color. If you saturate the color by 10%, you get **34.9101, 0.1933, 0.2159**, and if you desaturate by 10%, it is **38.2400, 0.1983, 0.2283**.

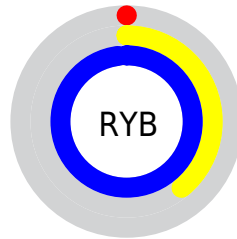
Distribution



Red (0%)

Green (66%)

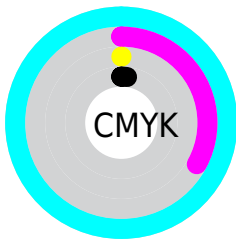
Blue (98%)



Red (0%)

Yellow (39%)

Blue (98%)

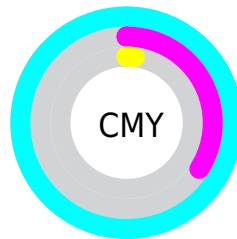


Cyan (100%)

Magenta (33%)

Yellow (0%)

Black (2%)



Cyan (100%)


Magenta (34%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9074, 0.1933, 0.2159 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 34.9074, 0.1933, 0.2159 by changing the saturation by 10% instead.


 34.9074, 0.1933,
0.2159


 34.9074, 0.1933,
0.2159


324.1594, 0.2516,
0.2723


 23.5916, 0.1798,
0.2025


 67.3423, 0.2138,
0.2360


 15.0309, 0.1632,
0.1859


 89.2301, 0.2217,
0.2437


 8.8411, 0.1425,
0.1649


 115.4107, 0.2285,
0.2502

 4.6377, 0.1167,
0.1381

 146.2685, 0.2344,
0.2559

 2.0363, 0.0846,
0.1041

 182.1879, 0.2395,
0.2608

 0.6284, 0.0414,
0.0608

223.5533, 0.2440,

 0.0000, 0.0000,

0.2651

0.0000

270.7490, 0.2480,
0.2689

■ 34.9074, 0.1933,
0.2159

■ 34.9074, 0.1933,
0.2159

■ 34.9101, 0.1933,
0.2159

■ 38.2400, 0.1983,
0.2283

■ 42.0290, 0.2051,
0.2409

■ 46.3617, 0.2141,
0.2536

■ 51.2909, 0.2250,
0.2662

■ 56.8612, 0.2375,
0.2784

■ 63.1118, 0.2514,
0.2901

■ 70.0783, 0.2662,
0.3011

■ 77.7932, 0.2816,
0.3113

■ 86.2866, 0.2972,
0.3206

Harmonies

Analogous

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



34.9074, 0.1779, 0.2476



34.9074, 0.1933, 0.2159



34.9074, 0.2367, 0.2122

Triad

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



34.9074, 0.1933, 0.2159



34.9074, 0.4495, 0.3239



34.9074, 0.3037, 0.4606

Complementary

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



34.9074, 0.1933, 0.2159



26.3531, 0.5924, 0.3679

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.



34.9074, 0.3783, 0.4714



34.9074, 0.1933, 0.2159



34.9074, 0.4681, 0.3813

Square

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



34.9074, 0.1933, 0.2159



34.9074, 0.3865, 0.2717



34.9074, 0.4394, 0.4360



34.9074, 0.2356, 0.3949

Rectangle

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



34.9074, 0.1933, 0.2159



34.9074, 0.2804, 0.2232



34.9074, 0.4394, 0.4360



34.9074, 0.3289, 0.4708

Sweetspot

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



34.9101, 0.1933, 0.2159



73.2896, 0.2662, 0.3011



68.9306, 0.2885, 0.5587



15.0088, 0.2598, 0.2965



0.0000, 0.0000, 0.0000



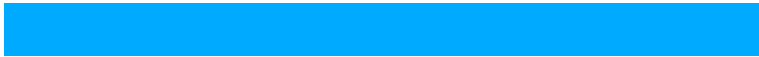
21.4041, 0.3127, 0.3290

Same Dimension

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



34.9101, 0.1933, 0.2159



36.4888, 0.1933, 0.2158



8.8422, 0.1541, 0.0748



18.5930, 0.2980, 0.3210



18.7933, 0.1939, 0.2179



1.9340, 0.1980, 0.2328

Inverse Universe

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



23.1493, 0.4277, 0.2130



24.2147, 0.4278, 0.2130



63.5821, 0.4567, 0.4756



17.4221, 0.3188, 0.3132



12.3081, 0.4255, 0.2117



1.1595, 0.4098, 0.2031

Previews

White Background



This preview shows how the Yxy color 34.9074, 0.1933, 0.2159 looks on a white background.

Color Contrast Check

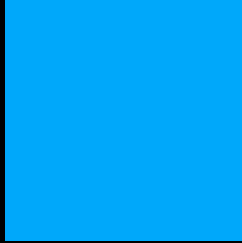
Large Text (above 18pt) WCAG AA × Fail

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 34.9074, 0.1933, 0.2159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

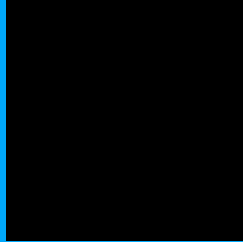
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

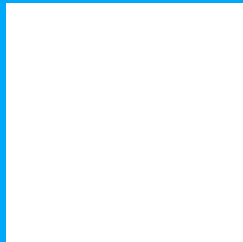
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.9074, 0.1933, 0.2159

Background



This preview shows how black text looks on a background with the Yxy color 34.9074, 0.1933, 0.2159.



This preview shows how white text looks on a background with the Yxy color 34.9074, 0.1933, 0.2159.

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

34.9074, 0.1933, 0.2159

Protanopia

34.6761, 0.2317, 0.2200

Deuteranopia

34.8278, 0.2136, 0.2079



Tritanopia

34.7248, 0.2187, 0.3074

Trichromacy



Original Color

34.9074, 0.1933, 0.2159

Protanomaly

33.4065, 0.2077, 0.2153

Deuteranomaly

33.9990, 0.2006, 0.2089

Tritanomaly

34.5903, 0.2083, 0.2698

Monochromacy



Original Color

34.9074, 0.1933, 0.2159

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

24.0739, 0.2353, 0.2761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9074, 0.1933, 0.2159 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, 168, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 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, 168, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 250) }
```

Border

The CSS property to change the border of an element to Yxy 34.9074, 0.1933, 0.2159 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, 168, 250) }
```

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

```
.border{ border-color:rgb(0, 168, 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, 168, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9074, 0.1933, 0.2159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 250) }
```

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

```
.background{ background-color: rgb(0, 168,  
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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