

Converting Colors

$Y_{xy}(28.9649, 0.1229, 0.1637)$

Have a look what the booklet for
Yxy(28.9649, 0.1229, 0.1637)
contains.

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Color

Yxy(34.8574, 0.1915, 0.2095)

Conversions

Conversions Part 1

Format	Color
Hex	00A7FF
RGB	0, 167, 255
RGB Percent	0%, 65%, 100%
CMY	1.0000, 0.3450, 0.0000
CMYK	1.00, 0.35, 0.00, 0.00
HSL	201°, 100%, 50%
HSV	201°, 100%, 100%
XYZ	31.8625, 34.8574, 99.6639
YIQ	127.0990, -127.7800, -8.0360

Conversions

Conversions Part 2

Format	Color
RYB	0, 101, 255
Decimal	43007
CIELab	65.64, -4.55, -53.43
CIELCh	66, 53.627, 265.134
Yxy	34.8574, 0.1915, 0.2095
Android (android.graphics.Color)	4278233087 (0xFF00A7FF)
YUV	127.0990, 63.0552, -111.4658
Hunter-Lab	59.0402, -6.9883, -58.7575

Details

The Yxy color **34.8574, 0.1915, 0.2095** 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 **28.2372, 0.5881, 0.3713**, and the grayscale version is **21.0746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9073, 0.2335, 0.2888**, and **16.5680, 0.1852, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **34.8625, 0.1915, 0.2095**, and if you desaturate by 10%, it is **38.4102, 0.1967, 0.2225**.

Distribution



- Red (0%)
- Green (65%)
- Blue (100%)



- Red (0%)
- Yellow (40%)
- Blue (100%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8574, 0.1915, 0.2095 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 34.8574, 0.1915, 0.2095 by changing the saturation by 10% instead.


 34.8574, 0.1915,
0.2095


 34.8574, 0.1915,
0.2095


323.9385, 0.2505,
0.2685


 23.5530, 0.1779,
0.1957


 67.2648, 0.2122,
0.2304


 15.0024, 0.1612,
0.1786


 89.1366, 0.2202,
0.2384

 8.8211, 0.1406,
0.1574


 115.2998, 0.2271,
0.2453

 4.6247, 0.1149,
0.1306

 146.1386, 0.2331,
0.2512

 2.0288, 0.0833,
0.0970

 182.0374, 0.2383,
0.2564

 0.6241, 0.0428,
0.0554

223.3808, 0.2428,

 0.0000, 0.0000,

0.2609

0.0000

270.5530, 0.2469,
0.2649

■ 34.8574, 0.1915,
0.2095

■ 34.8574, 0.1915,
0.2095

■ 34.8625, 0.1915,
0.2095

■ 38.4102, 0.1967,
0.2225

■ 42.4592, 0.2038,
0.2359

■ 47.0984, 0.2130,
0.2493

■ 52.3836, 0.2241,
0.2626

■ 58.3625, 0.2369,
0.2756

■ 65.0767, 0.2510,
0.2880

■ 72.5640, 0.2660,
0.2996

■ 80.8592, 0.2815,
0.3103

■ 89.9945, 0.2972,
0.3201

Harmonies

Analogous

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



34.8574, 0.1728, 0.2389



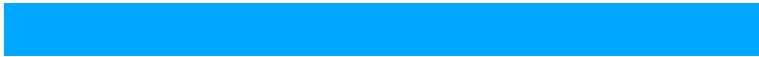
34.8574, 0.1915, 0.2095



34.8574, 0.2392, 0.2085

Triad

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



34.8574, 0.1915, 0.2095



34.8574, 0.4605, 0.3288



34.8574, 0.2951, 0.4634

Complementary

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



34.8574, 0.1915, 0.2095



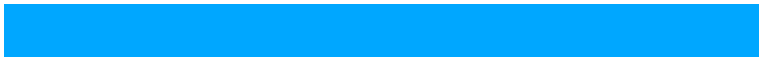
28.2372, 0.5881, 0.3713

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.



34.8574, 0.3732, 0.4799



34.8574, 0.1915, 0.2095



34.8574, 0.4743, 0.3884

Square

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



34.8574, 0.1915, 0.2095



34.8574, 0.3979, 0.2739



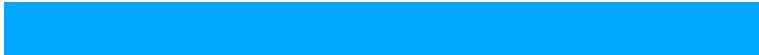
34.8574, 0.4395, 0.4449



34.8574, 0.2259, 0.3896

Rectangle

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



34.8574, 0.1915, 0.2095



34.8574, 0.2862, 0.2214



34.8574, 0.4395, 0.4449



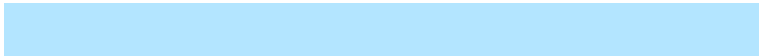
34.8574, 0.3212, 0.4761

Sweetspot

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



34.8625, 0.1915, 0.2095



72.5640, 0.2660, 0.2996



72.1759, 0.2874, 0.5546



14.8353, 0.2596, 0.2948



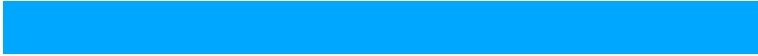
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



34.8625, 0.1915, 0.2095



8.9116, 0.1535, 0.0724



19.3642, 0.2980, 0.3206



18.5058, 0.1921, 0.2117



2.0058, 0.1963, 0.2266

Inverse Universe

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



24.0505, 0.4346, 0.2168



68.5973, 0.4529, 0.4786



18.1876, 0.3191, 0.3136



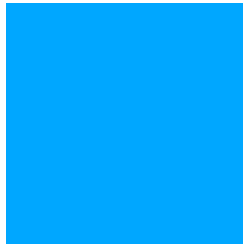
12.5961, 0.4323, 0.2155



1.2470, 0.4162, 0.2067

Previews

White Background



This preview shows how the Yxy color 34.8574, 0.1915, 0.2095 looks on a white background.

Color Contrast Check

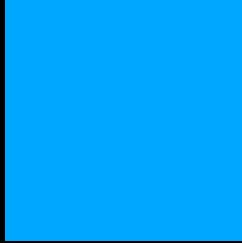
Large Text (above 18pt) WCAG AA × Fail

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 34.8574, 0.1915, 0.2095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

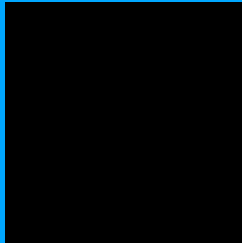
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

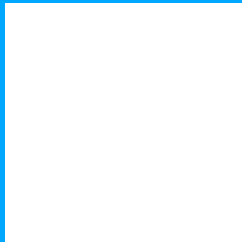
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.8574, 0.1915, 0.2095

Background



This preview shows how black text looks on a background with the Yxy color 34.8574, 0.1915, 0.2095.



This preview shows how white text looks on a background with the Yxy color 34.8574, 0.1915, 0.2095.

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

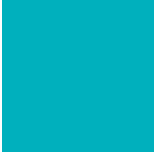
34.8574, 0.1915, 0.2095

Protanopia

34.4709, 0.2267, 0.2123

Deuteranopia

34.7830, 0.2106, 0.2046



Tritanopia

34.7248, 0.2187, 0.3074

Trichromacy



Original Color

34.8574, 0.1915, 0.2095

Protanomaly

33.3413, 0.2044, 0.2078

Deuteranomaly

34.1506, 0.1985, 0.2049

Tritanomaly

34.6912, 0.2075, 0.2671

Monochromacy



Original Color

34.8574, 0.1915, 0.2095

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

24.1513, 0.2340, 0.2730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8574, 0.1915, 0.2095 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, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 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, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.8574, 0.1915, 0.2095 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, 167, 255) }
```

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

```
.border{ border-color:rgb(0, 167, 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, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 34.8574, 0.1915, 0.2095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 255) }
```

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

```
.background{ background-color: rgb(0, 167,  
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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