

# Converting Colors

$Y_{xy}(35.2630, 0.1937, 0.2107)$

Have a look what the booklet for  
Yxy(35.2630, 0.1937, 0.2107)  
contains.

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# Color

**Yxy(35.1043, 0.1935, 0.2100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1CA7FF
RGB	28, 167, 255
RGB Percent	11%, 65%, 100%
CMY	0.8914, 0.3451, 0.0000
CMYK	0.89, 0.35, 0.00, 0.00
HSL	203°, 100%, 55%
HSV	203°, 89%, 100%
XYZ	32.3461, 35.1043, 99.7129
YIQ	135.4710, -111.0920, -2.1000

# Conversions

## Conversions Part 2

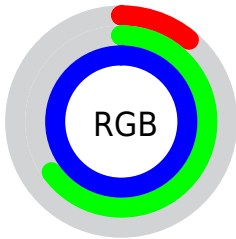
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	28, 114, 255
Decimal	1878015
CIE Lab	65.83, -3.63, -53.13
CIE LCh	66, 53.258, 266.092
Yxy	35.1043, 0.1935, 0.2100
Android (android.graphics.Color)	4280068095 (0xFF1CA7FF)
YUV	135.4710, 58.9278, -94.2521
Hunter-Lab	59.2489, -6.2359, -58.3079

# Details

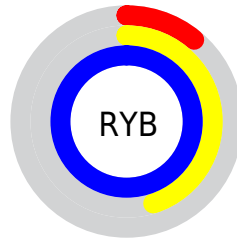
The Yxy color **35.1043, 0.1935, 0.2100** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **33.7631, 0.5509, 0.3903**, and the grayscale version is **24.1871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3141, 0.2357, 0.2890**, and **16.5680, 0.1852, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **31.3940, 0.1877, 0.1954**, and if you desaturate by 10%, it is **39.3788, 0.2013, 0.2251**.

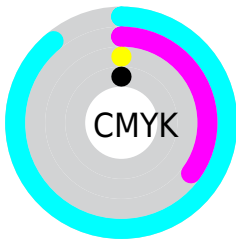
# Distribution



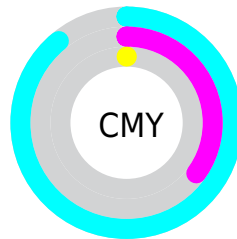
- Red (11%)
- Green (65%)
- Blue (100%)



- Red (11%)
- Yellow (45%)
- Blue (100%)



- Cyan (89%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)




- Cyan (89%)
- Magenta (35%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1043, 0.1935, 0.2100 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 35.1043, 0.1935, 0.2100 by changing the saturation by 10% instead.





 35.1043, 0.1935,  
0.2100


 35.1043, 0.1935,  
0.2100


325.0285, 0.2516,  
0.2686

 23.7432, 0.1801,  
0.1963


 67.6473, 0.2139,  
0.2307


 15.1433, 0.1636,  
0.1794


 89.5980, 0.2218,  
0.2387


 8.9200, 0.1432,  
0.1582


 115.8475, 0.2286,  
0.2455

 4.6890, 0.1177,  
0.1316

 146.7799, 0.2344,  
0.2514

 2.0660, 0.0862,  
0.0982

 182.7799, 0.2395,  
0.2566

 0.6454, 0.0462,  
0.0569

224.2317, 0.2440,

 0.0000, 0.0000,

0.2611

0.0000

271.5198, 0.2480,  
0.2651

■ 35.1043, 0.1935,  
0.2100

■ 35.1043, 0.1935,  
0.2100

■ 31.3940, 0.1877,  
0.1954

■ 39.3788, 0.2013,  
0.2251

■ 31.0919, 0.1873,  
0.1942

■ 44.3044, 0.2113,  
0.2403

■ 49.9364, 0.2233,  
0.2554

■ 56.3232, 0.2368,  
0.2700

■ 63.5080, 0.2515,  
0.2839

■ 71.5298, 0.2670,  
0.2970

■ 80.4246, 0.2827,  
0.3090

■ 90.2260, 0.2985,  
0.3200

■ 100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



35.1043, 0.1740, 0.2383



35.1043, 0.1935, 0.2100



35.1043, 0.2418, 0.2098

# Triad

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



35.1043, 0.1935, 0.2100



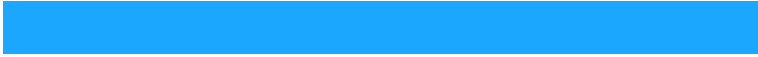
35.1043, 0.4604, 0.3307



35.1043, 0.2929, 0.4605

# Complementary

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



35.1043, 0.1935, 0.2100



33.7631, 0.5509, 0.3903

# 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.



35.1043, 0.3704, 0.4790



35.1043, 0.1935, 0.2100



35.1043, 0.4725, 0.3900

# Square

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



35.1043, 0.1935, 0.2100



35.1043, 0.3997, 0.2760



35.1043, 0.4368, 0.4457



35.1043, 0.2249, 0.3862



# Rectangle

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



35.1043, 0.1935, 0.2100



35.1043, 0.2890, 0.2231



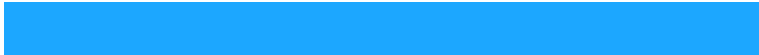
35.1043, 0.4368, 0.4457



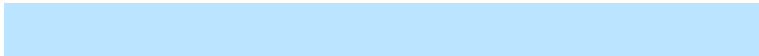
35.1043, 0.3187, 0.4737

# Sweetspot

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



35.1027, 0.1935, 0.2100



73.3555, 0.2703, 0.2996



72.9967, 0.2798, 0.5196



15.0806, 0.2650, 0.2954



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

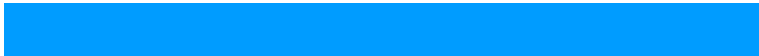


# Same Dimension

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



35.1027, 0.1935, 0.2100



31.0919, 0.1873, 0.1942



10.1216, 0.1582, 0.0807



19.2313, 0.2979, 0.3196



16.5447, 0.1880, 0.1966



1.8230, 0.1926, 0.2133



# Inverse Universe

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



24.8668, 0.4330, 0.2215



23.6699, 0.4519, 0.2263



77.0948, 0.4367, 0.4857



18.1742, 0.3198, 0.3145



12.3982, 0.4492, 0.2248

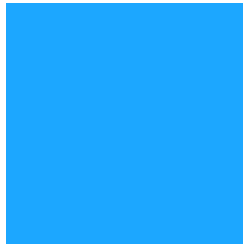


1.2286, 0.4305, 0.2145



# Previews

## White Background



This preview shows how the Yxy color 35.1043, 0.1935, 0.2100 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

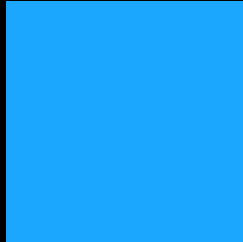
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.1043, 0.1935, 0.2100 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

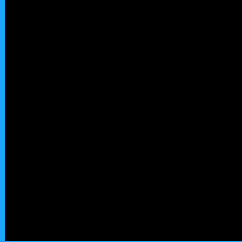
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

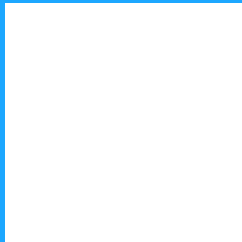
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 35.1043, 0.1935, 0.2100**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.1043, 0.1935, 0.2100.

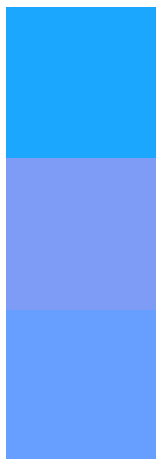


This preview shows how white text looks on a background with the Yxy color 35.1043, 0.1935, 0.2100.

# 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

35.1043, 0.1935, 0.2100

### Protanopia

34.8051, 0.2269, 0.2136

### Deuteranopia

34.8411, 0.2111, 0.2047



## Tritanopia

34.7248, 0.2187, 0.3074

# Trichromacy



**Original Color**

35.1043, 0.1935, 0.2100

**Protanomaly**

34.1548, 0.2086, 0.2102

**Deuteranomaly**

34.5565, 0.2017, 0.2058

**Tritanomaly**

34.7558, 0.2082, 0.2672

# Monochromacy



**Original Color**

35.1043, 0.1935, 0.2100

**Achromatopsia**

24.2281, 0.3127, 0.3290

**Achromatomaly**

26.6089, 0.2423, 0.2756

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.1043, 0.1935, 0.2100 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(28, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(28, 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(28, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 167, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 35.1043, 0.1935, 0.2100 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(28, 167, 255) }
```

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

```
.border{ border-color:rgb(28, 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(28, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(28, 167,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.1043, 0.1935, 0.2100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 167, 255) }
```

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

```
.background{ background-color: rgb(28, 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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