

Converting Colors

$Y_{xy}(34.1925, 0.1917, 0.2100)$

Have a look what the booklet for
Yxy(34.1925, 0.1917, 0.2100)
contains.

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Color

Yxy(34.3072, 0.1920, 0.2110)

Conversions

Conversions Part 1

Format	Color
Hex	01A6FC
RGB	1, 166, 252
RGB Percent	0%, 65%, 99%
CMY	0.9962, 0.3490, 0.0118
CMYK	1.00, 0.34, 0.00, 0.01
HSL	201°, 99%, 50%
HSV	201°, 100%, 99%
XYZ	31.2179, 34.3072, 97.0682
YIQ	126.4690, -125.9460, -8.2340

Conversions

Conversions Part 2

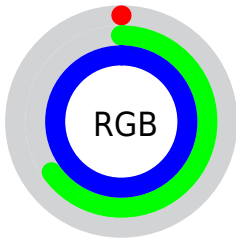
Format	Color
R _Y B	1, 101, 252
Decimal	108284
CIE Lab	65.21, -5.05, -52.48
CIE LCh	65, 52.720, 264.507
Yxy	34.3072, 0.1920, 0.2110
Android (android.graphics.Color)	4278298364 (0xFF01A6FC)
YUV	126.4690, 61.8868, -110.0363
Hunter-Lab	58.5723, -7.3646, -57.2569

Details

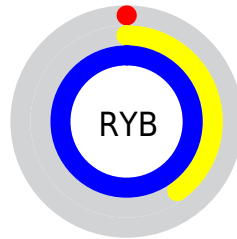
The Yxy color **34.3072, 0.1920, 0.2110** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **27.5078, 0.5877, 0.3712**, and the grayscale version is **20.8473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3776, 0.2332, 0.2875**, and **16.2016, 0.1856, 0.1882** is the 20% darker color. If you saturate the color by 10%, you get **34.1809, 0.1918, 0.2105**, and if you desaturate by 10%, it is **37.7687, 0.1972, 0.2239**.

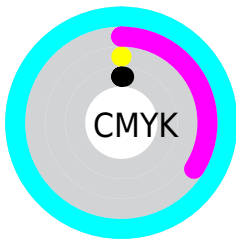
Distribution



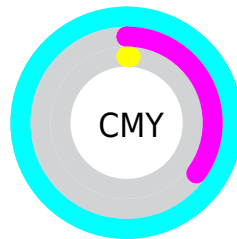
- Red (0%)
- Green (65%)
- Blue (99%)



- Red (0%)
- Yellow (40%)
- Blue (99%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (35%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.3072, 0.1920, 0.2110 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 34.3072, 0.1920, 0.2110 by changing the saturation by 10% instead.


 34.3072, 0.1920,
0.2110


 34.3072, 0.1920,
0.2110


321.4997, 0.2510,
0.2695


 23.1297, 0.1783,
0.1972


 66.4111, 0.2128,
0.2318


 14.6893, 0.1616,
0.1801


 88.1063, 0.2208,
0.2398


 8.6016, 0.1408,
0.1587


 114.0762, 0.2276,
0.2466

 4.4823, 0.1148,
0.1317

 144.7051, 0.2336,
0.2524

 1.9468, 0.0828,
0.0977

 180.3776, 0.2388,
0.2576

 0.5763, 0.0400,
0.0543

221.4779, 0.2433,

 0.0000, 0.0000,

0.2620

0.0000

268.3905, 0.2474,
0.2660

■ 34.3072, 0.1920,
0.2110

■ 34.3072, 0.1920,
0.2110

■ 34.1809, 0.1918,
0.2105

■ 37.7687, 0.1972,
0.2239

■ 41.7198, 0.2043,
0.2372

■ 46.2443, 0.2136,
0.2505

■ 51.3961, 0.2247,
0.2637

■ 57.2209, 0.2376,
0.2765

■ 63.7590, 0.2517,
0.2888

■ 71.0469, 0.2667,
0.3002

■ 79.1182, 0.2822,
0.3109

■ 88.0039, 0.2978,
0.3206

Harmonies

Analogous

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



34.3072, 0.1740, 0.2409



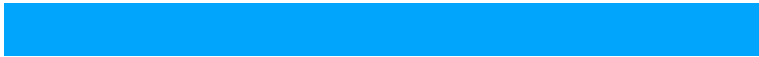
34.3072, 0.1920, 0.2110



34.3072, 0.2387, 0.2094

Triad

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



34.3072, 0.1920, 0.2110



34.3072, 0.4579, 0.3277



34.3072, 0.2970, 0.4627

Complementary

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



34.3072, 0.1920, 0.2110



27.5078, 0.5877, 0.3712

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.



34.3072, 0.3743, 0.4779



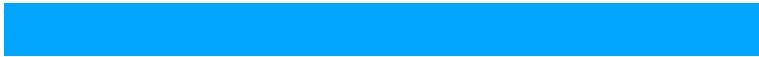
34.3072, 0.1920, 0.2110



34.3072, 0.4728, 0.3868

Square

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



34.3072, 0.1920, 0.2110



34.3072, 0.3953, 0.2735



34.3072, 0.4394, 0.4428



34.3072, 0.2281, 0.3908

Rectangle

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



34.3072, 0.1920, 0.2110



34.3072, 0.2850, 0.2219



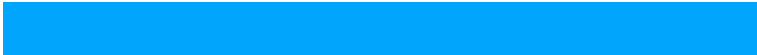
34.3072, 0.4394, 0.4428



34.3072, 0.3229, 0.4748

Sweetspot

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



34.3083, 0.1920, 0.2110



72.6687, 0.2660, 0.2998



70.2751, 0.2872, 0.5538



14.8603, 0.2597, 0.2950



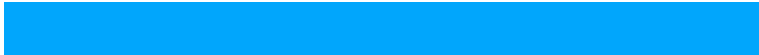
0.0000, 0.0000, 0.0000



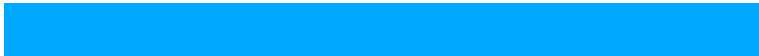
21.4041, 0.3127, 0.3290

Same Dimension

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



34.3083, 0.1920, 0.2110



35.0945, 0.1918, 0.2104



8.7484, 0.1537, 0.0729



18.5486, 0.2980, 0.3207



18.0908, 0.1924, 0.2127



1.8725, 0.1967, 0.2282

Inverse Universe

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



23.4692, 0.4330, 0.2160



24.0739, 0.4336, 0.2163



66.8688, 0.4526, 0.4786



17.4176, 0.3191, 0.3135



12.2372, 0.4312, 0.2149



1.1533, 0.4145, 0.2057

Previews

White Background



This preview shows how the Yxy color 34.3072, 0.1920, 0.2110 looks on a white background.

Color Contrast Check

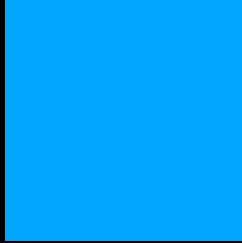
Large Text (above 18pt) WCAG AA × Fail

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 34.3072, 0.1920, 0.2110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

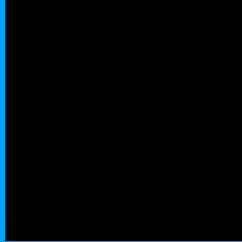
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

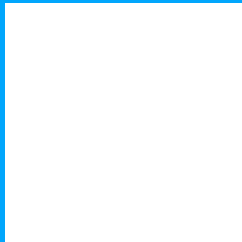
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.3072, 0.1920, 0.2110

Background



This preview shows how black text looks on a background with the Yxy color 34.3072, 0.1920, 0.2110.

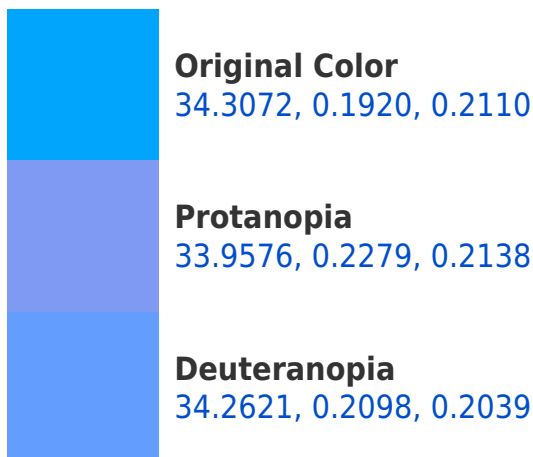


This preview shows how white text looks on a background with the Yxy color 34.3072, 0.1920, 0.2110.

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





Tritanopia

34.2478, 0.2191, 0.3088

Trichromacy



Original Color

34.3072, 0.1920, 0.2110

Protanomaly

32.8569, 0.2055, 0.2094

Deuteranomaly

33.6383, 0.1985, 0.2053

Tritanomaly

34.2082, 0.2078, 0.2682

Monochromacy



Original Color

34.3072, 0.1920, 0.2110

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

23.7776, 0.2349, 0.2743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3072, 0.1920, 0.2110 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(1, 166, 252)` looks like.

```
.text, #text, p{  
    color:rgb(1, 166, 252)  
}
```

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(1, 166, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 166, 252) }
```

Border

The CSS property to change the border of an element to Yxy 34.3072, 0.1920, 0.2110 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(1, 166, 252) }
```

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

```
.border{ border-color:rgb(1, 166, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 166, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 166, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 166, 252);  
box-shadow:4px 4px 4px 4px rgb(1, 166,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3072, 0.1920, 0.2110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 166, 252) }
```

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

```
.background{ background-color: rgb(1, 166,  
252) }
```

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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