

Converting Colors

$Y_{xy}(33.2625, 0.1921, 0.2115)$

Have a look what the booklet for
Yxy(33.2625, 0.1921, 0.2115)
contains.

Yxy(33.3282, 0.1922, 0.2120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.3282, 0.1922, 0.2120)

Conversions

Conversions Part 1

Format	Color
Hex	00A4F8
RGB	0, 164, 248
RGB Percent	0%, 64%, 97%
CMY	1.0000, 0.3568, 0.0274
CMYK	1.00, 0.34, 0.00, 0.03
HSL	200°, 100%, 49%
HSV	200°, 100%, 97%
XYZ	30.2155, 33.3282, 93.6648
YIQ	124.5400, -124.7080, -8.6440

Conversions

Conversions Part 2

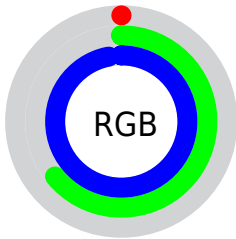
Format	Color
RYB	0, 99, 248
Decimal	42232
CIELab	64.43, -5.42, -51.55
CIELCh	64, 51.830, 264.000
Yxy	33.3282, 0.1922, 0.2120
Android (android.graphics.Color)	4278232312 (0xFF00A4F8)
YUV	124.5400, 60.8658, -109.2216
Hunter-Lab	57.7306, -7.6038, -55.7835

Details

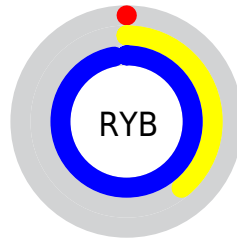
The Yxy color **33.3282, 0.1922, 0.2120** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **26.3032, 0.5895, 0.3701**, and the grayscale version is **20.1724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2625, 0.2323, 0.2849**, and **15.5718, 0.1859, 0.1890** is the 20% darker color. If you saturate the color by 10%, you get **33.3329, 0.1922, 0.2120**, and if you desaturate by 10%, it is **36.6444, 0.1974, 0.2248**.

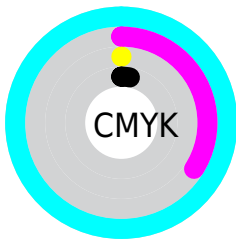
Distribution



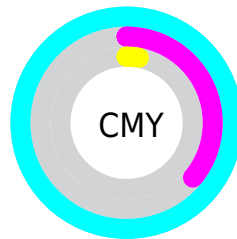
- Red (0%)
- Green (64%)
- Blue (97%)



- Red (0%)
- Yellow (39%)
- Blue (97%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (36%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3282, 0.1922, 0.2120 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 33.3282, 0.1922, 0.2120 by changing the saturation by 10% instead.


 33.3282, 0.1922,
0.2120


 33.3282, 0.1922,
0.2120


317.1260, 0.2514,
0.2704


 22.3780, 0.1784,
0.1981


 64.8876, 0.2131,
0.2328


 14.1349, 0.1614,
0.1809


 86.2656, 0.2212,
0.2408

 8.2146, 0.1403,
0.1592


 111.8882, 0.2280,
0.2476

 4.2325, 0.1138,
0.1316

 142.1400, 0.2340,
0.2534

 1.8045, 0.0811,
0.0969

 177.4053, 0.2392,
0.2585

 0.4900, 0.0343,
0.0504

218.0685, 0.2437,

 0.0000, 0.0000,

0.2630

0.0000

264.5139, 0.2478,
0.2669

■ 33.3282, 0.1922,
0.2120

■ 33.3282, 0.1922,
0.2120

■ 33.3329, 0.1922,
0.2120

■ 36.6444, 0.1974,
0.2248

■ 40.4181, 0.2044,
0.2378

■ 44.7377, 0.2135,
0.2510

■ 49.6552, 0.2245,
0.2640

■ 55.2148, 0.2372,
0.2767

■ 61.4552, 0.2512,
0.2888

■ 68.4116, 0.2662,
0.3002

■ 76.1162, 0.2816,
0.3107

■ 84.5989, 0.2972,
0.3203

Harmonies

Analogous

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



33.3282, 0.1748, 0.2423



33.3282, 0.1922, 0.2120



33.3282, 0.2382, 0.2099

Triad

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



33.3282, 0.1922, 0.2120



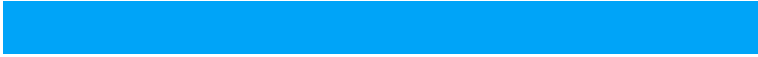
33.3282, 0.4561, 0.3269



33.3282, 0.2985, 0.4623

Complementary

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



33.3282, 0.1922, 0.2120



26.3032, 0.5895, 0.3701

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.



33.3282, 0.3752, 0.4766



33.3282, 0.1922, 0.2120



33.3282, 0.4719, 0.3856

Square

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



33.3282, 0.1922, 0.2120



33.3282, 0.3934, 0.2731



33.3282, 0.4395, 0.4414



33.3282, 0.2297, 0.3918

Rectangle

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



33.3282, 0.1922, 0.2120



33.3282, 0.2839, 0.2221



33.3282, 0.4395, 0.4414



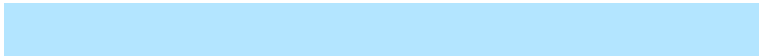
33.3282, 0.3242, 0.4740

Sweetspot

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



33.3329, 0.1922, 0.2120



72.8310, 0.2661, 0.3001



67.7680, 0.2873, 0.5544



14.8991, 0.2597, 0.2954



0.0000, 0.0000, 0.0000



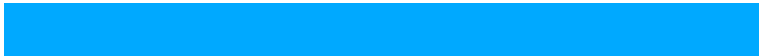
21.4041, 0.3127, 0.3290

Same Dimension

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



33.3329, 0.1922, 0.2120



35.4560, 0.1922, 0.2118



8.3880, 0.1535, 0.0725



18.5602, 0.2980, 0.3208



18.2730, 0.1928, 0.2141



1.8885, 0.1971, 0.2294

Inverse Universe

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



22.6412, 0.4319, 0.2153



24.1104, 0.4321, 0.2154



64.4338, 0.4528, 0.4787



17.4188, 0.3190, 0.3134



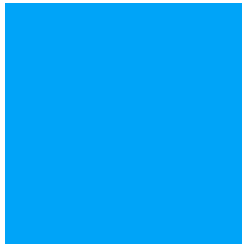
12.2556, 0.4297, 0.2141



1.1549, 0.4133, 0.2050

Previews

White Background



This preview shows how the Yxy color 33.3282, 0.1922, 0.2120 looks on a white background.

Color Contrast Check

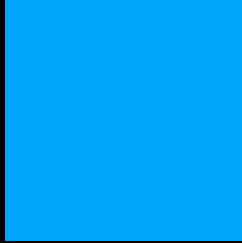
Large Text (above 18pt) WCAG AA × Fail

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 33.3282, 0.1922, 0.2120 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

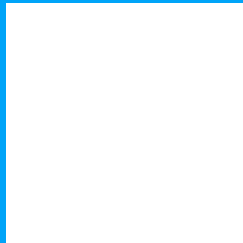
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.3282, 0.1922, 0.2120

Background



This preview shows how black text looks on a background with the Yxy color 33.3282, 0.1922, 0.2120.



This preview shows how white text looks on a background with the Yxy color 33.3282, 0.1922, 0.2120.

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

33.3282, 0.1922, 0.2120

Protanopia

32.9895, 0.2288, 0.2149

Deuteranopia

33.3317, 0.2108, 0.2049



Tritanopia

33.3899, 0.2191, 0.3086

Trichromacy



Original Color

33.3282, 0.1922, 0.2120

Protanomaly

31.8932, 0.2059, 0.2103

Deuteranomaly

32.6926, 0.1990, 0.2062

Tritanomaly

33.3035, 0.2081, 0.2690

Monochromacy



Original Color

33.3282, 0.1922, 0.2120

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

23.0730, 0.2348, 0.2737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3282, 0.1922, 0.2120 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, 164, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 248)  
}
```

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, 164, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 248) }
```

Border

The CSS property to change the border of an element to Yxy 33.3282, 0.1922, 0.2120 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, 164, 248) }
```

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

```
.border{ border-color:rgb(0, 164, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3282, 0.1922, 0.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 248) }
```

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

```
.background{ background-color: rgb(0, 164,  
248) }
```

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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