

Converting Colors

$Yxy(33.5798, 0.1923, 0.2184)$

Have a look what the booklet for
Yxy(33.5798, 0.1923, 0.2184)
contains.

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Color

Yxy(33.8041, 0.1942, 0.2191)

Conversions

Conversions Part 1

Format	Color
Hex	00A6F4
RGB	0, 166, 244
RGB Percent	0%, 65%, 96%
CMY	1.0000, 0.3490, 0.0432
CMYK	1.00, 0.32, 0.00, 0.04
HSL	199°, 100%, 48%
HSV	199°, 100%, 96%
XYZ	29.9624, 33.8041, 90.5197
YIQ	125.2580, -123.9740, -10.9340

Conversions

Conversions Part 2

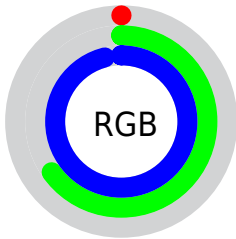
Format	Color
RYB	0, 99, 244
Decimal	42740
CIELab	64.81, -8.02, -48.74
CIELCh	65, 49.390, 260.661
Yxy	33.8041, 0.1942, 0.2191
Android (android.graphics.Color)	4278232820 (0xFF00A6F4)
YUV	125.2580, 58.5398, -109.8513
Hunter-Lab	58.1413, -9.7596, -51.6092

Details

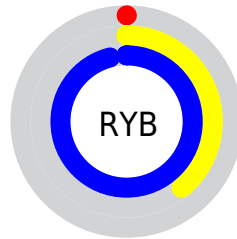
The Yxy color **33.8041, 0.1942, 0.2191** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **24.6757, 0.5942, 0.3664**, and the grayscale version is **20.4307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2479, 0.2324, 0.2874**, and **15.6225, 0.1877, 0.1957** is the 20% darker color. If you saturate the color by 10%, you get **33.8053, 0.1942, 0.2191**, and if you desaturate by 10%, it is **36.9262, 0.1991, 0.2311**.

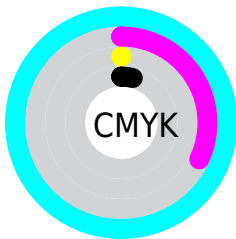
Distribution



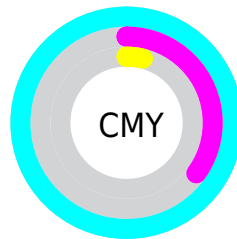
- Red (0%)
- Green (65%)
- Blue (96%)



- Red (0%)
- Yellow (39%)
- Blue (96%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (4%)




- Cyan (100%)
- Magenta (35%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8041, 0.1942, 0.2191 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 33.8041, 0.1942, 0.2191 by changing the saturation by 10% instead.


 33.8041, 0.1942,
0.2191


 33.8041, 0.1942,
0.2191


319.2577, 0.2524,
0.2745


 22.7431, 0.1806,
0.2058


 65.6289, 0.2148,
0.2390


 14.4040, 0.1637,
0.1891


 87.1616, 0.2227,
0.2465

 8.4022, 0.1427,
0.1679


 112.9536, 0.2295,
0.2530

 4.3533, 0.1163,
0.1407

 143.3893, 0.2354,
0.2585

 1.8731, 0.0833,
0.1056

 178.8532, 0.2405,
0.2633

 0.5321, 0.0341,
0.0586

219.7296, 0.2449,

 0.0000, 0.0000,

0.2675

0.0000

266.4030, 0.2489,
0.2712

■ 33.8041, 0.1942,
0.2191

■ 33.8041, 0.1942,
0.2191

■ 33.8053, 0.1942,
0.2191

■ 36.9262, 0.1991,
0.2311

■ 40.4715, 0.2059,
0.2434

■ 44.5220, 0.2147,
0.2557

■ 49.1268, 0.2254,
0.2680

■ 54.3278, 0.2379,
0.2798

■ 60.1617, 0.2517,
0.2912

■ 66.6616, 0.2664,
0.3019

■ 73.8582, 0.2817,
0.3118

■ 81.7795, 0.2972,
0.3208

Harmonies

Analogous

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



33.8041, 0.1805, 0.2520



33.8041, 0.1942, 0.2191



33.8041, 0.2355, 0.2140

Triad

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



33.8041, 0.1942, 0.2191



33.8041, 0.4441, 0.3215



33.8041, 0.3080, 0.4591

Complementary

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



33.8041, 0.1942, 0.2191



24.6757, 0.5942, 0.3664

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.



33.8041, 0.3808, 0.4673



33.8041, 0.1942, 0.2191



33.8041, 0.4649, 0.3778

Square

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



33.8041, 0.1942, 0.2191



33.8041, 0.3810, 0.2706



33.8041, 0.4392, 0.4316



33.8041, 0.2403, 0.3974

Rectangle

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



33.8041, 0.1942, 0.2191



33.8041, 0.2776, 0.2240



33.8041, 0.4392, 0.4316



33.8041, 0.3327, 0.4682

Sweetspot

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



33.8053, 0.1942, 0.2191



73.6448, 0.2663, 0.3018



65.2309, 0.2885, 0.5584



15.0938, 0.2600, 0.2974



0.0000, 0.0000, 0.0000



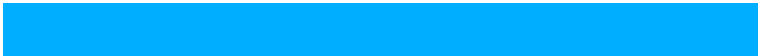
21.4041, 0.3127, 0.3290

Same Dimension

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



33.8053, 0.1942, 0.2191



37.3000, 0.1941, 0.2188



8.3869, 0.1542, 0.0749



17.8125, 0.2980, 0.3213



18.6417, 0.1947, 0.2210



1.8234, 0.1989, 0.2362

Inverse Universe

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



21.9835, 0.4242, 0.2110



24.2966, 0.4245, 0.2112



60.1936, 0.4566, 0.4756



16.6729, 0.3187, 0.3130



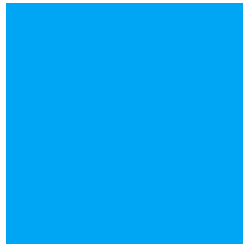
11.9813, 0.4221, 0.2099



1.0717, 0.4062, 0.2011

Previews

White Background



This preview shows how the Yxy color 33.8041, 0.1942, 0.2191 looks on a white background.

Color Contrast Check

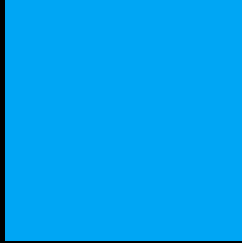
Large Text (above 18pt) WCAG AA × Fail

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 33.8041, 0.1942, 0.2191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

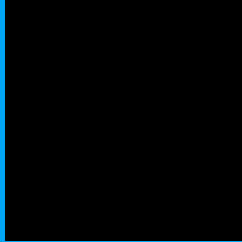
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

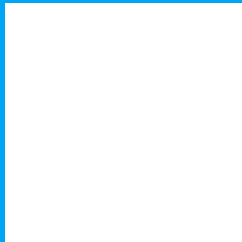
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.8041, 0.1942, 0.2191

Background



This preview shows how black text looks on a background with the Yxy color 33.8041, 0.1942, 0.2191.



This preview shows how white text looks on a background with the Yxy color 33.8041, 0.1942, 0.2191.

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

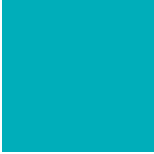
33.8041, 0.1942, 0.2191

Protanopia

33.6615, 0.2343, 0.2234

Deuteranopia

33.5566, 0.2162, 0.2097



Tritanopia

33.8173, 0.2191, 0.3087

Trichromacy



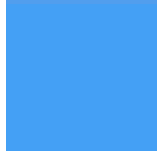
Original Color

33.8041, 0.1942, 0.2191



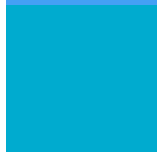
Protanomaly

32.3620, 0.2093, 0.2185



Deuteranomaly

32.9631, 0.2022, 0.2120



Tritanomaly

33.6308, 0.2089, 0.2721

Monochromacy



Original Color

33.8041, 0.1942, 0.2191



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.2888, 0.2365, 0.2788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8041, 0.1942, 0.2191 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, 166, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 244)  
}
```

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, 166, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 244) }
```

Border

The CSS property to change the border of an element to Yxy 33.8041, 0.1942, 0.2191 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, 166, 244) }
```

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

```
.border{ border-color:rgb(0, 166, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8041, 0.1942, 0.2191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 244) }
```

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

```
.background{ background-color: rgb(0, 166,  
244) }
```

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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