

Converting Colors

$Y_{xy}(25.2372, 0.1045, 0.1982)$

Have a look what the booklet for
Yxy(25.2372, 0.1045, 0.1982)
contains.

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Color

Yxy(33.7435, 0.1945, 0.2201)

Conversions

Conversions Part 1

Format	Color
Hex	00A6F3
RGB	0, 166, 243
RGB Percent	0%, 65%, 95%
CMY	0.9984, 0.3490, 0.0470
CMYK	1.00, 0.32, 0.00, 0.05
HSL	199°, 100%, 48%
HSV	199°, 100%, 95%
XYZ	29.8188, 33.7435, 89.7476
YIQ	125.1440, -123.6530, -11.2450

Conversions

Conversions Part 2

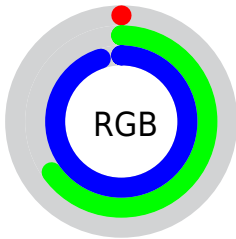
Format	Color
RYB	0, 99, 243
Decimal	42739
CIELab	64.76, -8.35, -48.28
CIELCh	65, 49.000, 260.187
Yxy	33.7435, 0.1945, 0.2201
Android (android.graphics.Color)	4278232819 (0xFF00A6F3)
YUV	125.1440, 58.1030, -109.7513
Hunter-Lab	58.0892, -10.0270, -50.9405

Details

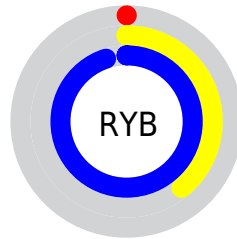
The Yxy color **33.7435, 0.1945, 0.2201** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **24.4251, 0.5944, 0.3661**, and the grayscale version is **20.4325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1841, 0.2321, 0.2874**, and **15.5798, 0.1880, 0.1969** is the 20% darker color. If you saturate the color by 10%, you get **33.6963, 0.1944, 0.2199**, and if you desaturate by 10%, it is **36.8344, 0.1994, 0.2320**.

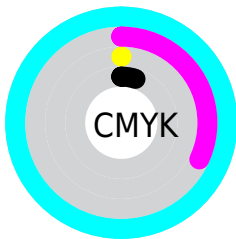
Distribution



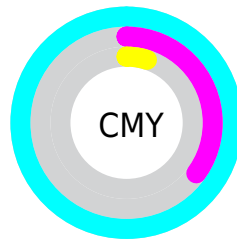
- Red (0%)
- Green (65%)
- Blue (95%)



- Red (0%)
- Yellow (39%)
- Blue (95%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (5%)




- Cyan (100%)
- Magenta (35%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7435, 0.1945, 0.2201 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 33.7435, 0.1945, 0.2201 by changing the saturation by 10% instead.

 33.7435, 0.1945,
0.2201


 33.7435, 0.1945,
0.2201


318.9868, 0.2526,
0.2751


 22.6966, 0.1809,
0.2068


 65.5346, 0.2151,
0.2399

 14.3697, 0.1640,
0.1902


 87.0476, 0.2230,
0.2474


 8.3782, 0.1430,
0.1691


 112.8181, 0.2298,
0.2537

 4.3379, 0.1165,
0.1419

 143.2305, 0.2356,
0.2592

 1.8643, 0.0834,
0.1067

 178.6691, 0.2407,
0.2640

 0.5268, 0.0333,
0.0591

219.5185, 0.2451,

 0.0000, 0.0000,

0.2681

0.0000

266.1629, 0.2491,
0.2718

■ 33.7435, 0.1945,
0.2201

■ 33.7435, 0.1945,
0.2201

■ 33.6963, 0.1944,
0.2199

■ 36.8344, 0.1994,
0.2320

■ 40.3451, 0.2062,
0.2442

■ 44.3549, 0.2150,
0.2565

■ 48.9124, 0.2257,
0.2686

■ 54.0587, 0.2382,
0.2804

■ 59.8303, 0.2519,
0.2916

■ 66.2599, 0.2667,
0.3022

■ 73.3774, 0.2819,
0.3120

■ 81.2109, 0.2975,
0.3210

Harmonies

Analogous

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



33.7435, 0.1813, 0.2533



33.7435, 0.1945, 0.2201



33.7435, 0.2352, 0.2146

Triad

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



33.7435, 0.1945, 0.2201



33.7435, 0.4424, 0.3208



33.7435, 0.3092, 0.4586

Complementary

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



33.7435, 0.1945, 0.2201



24.4251, 0.5944, 0.3661

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.



33.7435, 0.3815, 0.4661



33.7435, 0.1945, 0.2201



33.7435, 0.4639, 0.3767

Square

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



33.7435, 0.1945, 0.2201



33.7435, 0.3793, 0.2703



33.7435, 0.4391, 0.4303



33.7435, 0.2418, 0.3981

Rectangle

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



33.7435, 0.1945, 0.2201



33.7435, 0.2767, 0.2243



33.7435, 0.4391, 0.4303



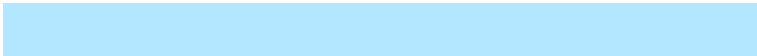
33.7435, 0.3338, 0.4673

Sweetspot

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



33.7446, 0.1945, 0.2201



73.7361, 0.2663, 0.3020



64.6524, 0.2884, 0.5581



15.1156, 0.2600, 0.2976



0.0000, 0.0000, 0.0000



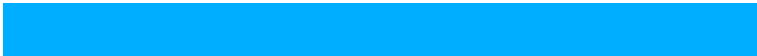
21.4041, 0.3127, 0.3290

Same Dimension

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



33.7446, 0.1945, 0.2201



37.5102, 0.1943, 0.2196



8.3420, 0.1543, 0.0752



17.8187, 0.2980, 0.3213



18.7443, 0.1950, 0.2218



1.8318, 0.1991, 0.2368

Inverse Universe

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



21.8191, 0.4231, 0.2105



24.3178, 0.4237, 0.2107



59.6920, 0.4565, 0.4757



16.6735, 0.3187, 0.3130



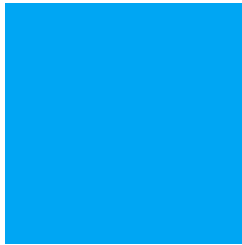
11.9916, 0.4213, 0.2095



1.0726, 0.4055, 0.2008

Previews

White Background



This preview shows how the Yxy color 33.7435, 0.1945, 0.2201 looks on a white background.

Color Contrast Check

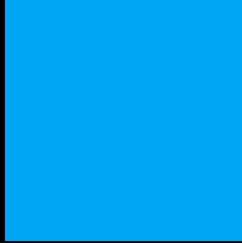
Large Text (above 18pt) WCAG AA × Fail

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 33.7435, 0.1945, 0.2201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

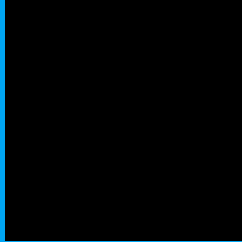
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

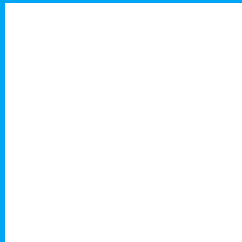
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.7435, 0.1945, 0.2201

Background



This preview shows how black text looks on a background with the Yxy color 33.7435, 0.1945, 0.2201.



This preview shows how white text looks on a background with the Yxy color 33.7435, 0.1945, 0.2201.

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

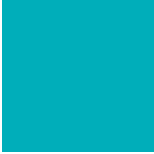
33.7435, 0.1945, 0.2201

Protanopia

33.2758, 0.2346, 0.2230

Deuteranopia

33.5577, 0.2171, 0.2108



Tritanopia

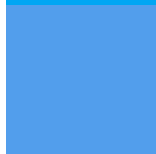
33.8173, 0.2191, 0.3087

Trichromacy



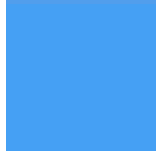
Original Color

33.7435, 0.1945, 0.2201



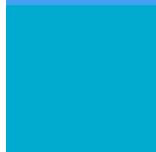
Protanomaly

32.3037, 0.2097, 0.2196



Deuteranomaly

32.9385, 0.2028, 0.2131



Tritanomaly

33.6308, 0.2089, 0.2721

Monochromacy



Original Color

33.7435, 0.1945, 0.2201



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 33.7435, 0.1945, 0.2201 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 243) }
```

Border

The CSS property to change the border of an element to Yxy 33.7435, 0.1945, 0.2201 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, 243) }
```

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

```
.border{ border-color:rgb(0, 166, 243) }
```

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, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7435, 0.1945, 0.2201 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, 243) }
```

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

```
.background{ background-color: rgb(0, 166,  
243) }
```

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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