

Converting Colors

$Y_{xy}(21.9518, 0.0753, 0.1930)$

Have a look what the booklet for
Yxy(21.9518, 0.0753, 0.1930)
contains.

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Color

Yxy(31.8968, 0.1949, 0.2215)

Conversions

Conversions Part 1

Format	Color
Hex	01A2EC
RGB	1, 162, 236
RGB Percent	0%, 64%, 93%
CMY	0.9978, 0.3647, 0.0745
CMYK	1.00, 0.31, 0.00, 0.07
HSL	199°, 100%, 46%
HSV	199°, 100%, 93%
XYZ	28.0663, 31.8968, 84.0405
YIQ	122.2970, -119.7100, -11.1180

Conversions

Conversions Part 2

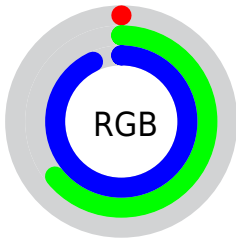
Format	Color
R _Y B	1, 97, 236
Decimal	107244
CIE Lab	63.26, -8.67, -46.81
CIE LCh	63, 47.605, 259.504
Yxy	31.8968, 0.1949, 0.2215
Android (android.graphics.Color)	4278297324 (0xFF01A2EC)
YUV	122.2970, 56.0556, -106.3775
Hunter-Lab	56.4773, -10.1298, -48.6919

Details

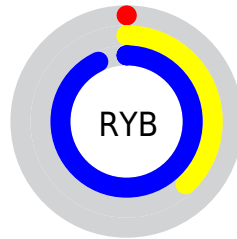
The Yxy color **31.8968, 0.1949, 0.2215** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **22.8121, 0.5947, 0.3658**, and the grayscale version is **19.3612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0339, 0.2306, 0.2823**, and **14.6642, 0.1885, 0.1985** is the 20% darker color. If you saturate the color by 10%, you get **31.8310, 0.1948, 0.2212**, and if you desaturate by 10%, it is **34.7820, 0.1998, 0.2333**.

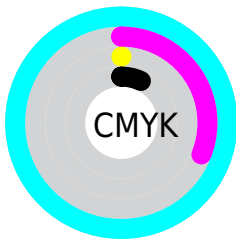
Distribution



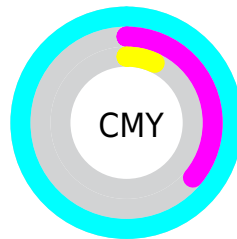
- Red (0%)
- Green (64%)
- Blue (93%)



- Red (0%)
- Yellow (38%)
- Blue (93%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (36%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8968, 0.1949, 0.2215 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 31.8968, 0.1949, 0.2215 by changing the saturation by 10% instead.

 31.8968, 0.1949,
0.2215

 31.8968, 0.1949,
0.2215

310.6489, 0.2534,
0.2764


 21.2827, 0.1810,
0.2080


 62.6493, 0.2158,
0.2414

 13.3308, 0.1638,
0.1911


 83.5564, 0.2237,
0.2489

 7.6567, 0.1421,
0.1694


 108.6634, 0.2305,
0.2552

 3.8761, 0.1146,
0.1412

 138.3545, 0.2364,
0.2607

 1.6045, 0.0802,
0.1045

 173.0142, 0.2415,
0.2654

 0.3606, 0.0176,
0.0483

213.0269, 0.2460,

 0.0000, 0.0000,

0.2695

0.0000

258.7770, 0.2499,
0.2732

■ 31.8968, 0.1949,
0.2215

■ 31.8968, 0.1949,
0.2215

■ 31.8310, 0.1948,
0.2212

■ 34.7820, 0.1998,
0.2333

■ 38.0569, 0.2065,
0.2453

■ 41.7954, 0.2153,
0.2574

■ 46.0426, 0.2261,
0.2694

■ 50.8367, 0.2385,
0.2811

■ 56.2113, 0.2522,
0.2922

■ 62.1968, 0.2669,
0.3026

■ 68.8211, 0.2821,
0.3123

■ 76.1102, 0.2976,
0.3212

Harmonies

Analogous

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



31.8968, 0.1825, 0.2552



31.8968, 0.1949, 0.2215



31.8968, 0.2347, 0.2154

Triad

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



31.8968, 0.1949, 0.2215



31.8968, 0.4400, 0.3197



31.8968, 0.3110, 0.4580

Complementary

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



31.8968, 0.1949, 0.2215



22.8121, 0.5947, 0.3658

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.



31.8968, 0.3825, 0.4643



31.8968, 0.1949, 0.2215



31.8968, 0.4625, 0.3752

Square

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



31.8968, 0.1949, 0.2215



31.8968, 0.3769, 0.2698



31.8968, 0.4390, 0.4284



31.8968, 0.2438, 0.3992

Rectangle

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



31.8968, 0.1949, 0.2215



31.8968, 0.2756, 0.2247



31.8968, 0.4390, 0.4284



31.8968, 0.3354, 0.4662

Sweetspot

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



31.8978, 0.1949, 0.2215



73.8679, 0.2663, 0.3023



60.4573, 0.2894, 0.5617



15.1472, 0.2600, 0.2979



0.0000, 0.0000, 0.0000



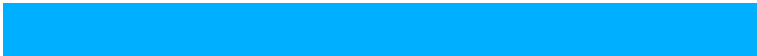
21.4041, 0.3127, 0.3290

Same Dimension

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



31.8978, 0.1949, 0.2215



37.8147, 0.1947, 0.2207



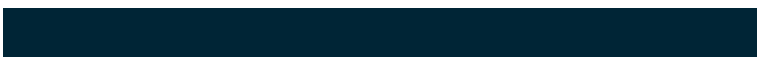
8.1464, 0.1551, 0.0780



16.2767, 0.2981, 0.3214



17.7864, 0.1953, 0.2231



1.5676, 0.1999, 0.2395

Inverse Universe

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



20.4551, 0.4216, 0.2097



24.3486, 0.4224, 0.2101



54.1970, 0.4603, 0.4726



15.2285, 0.3186, 0.3130



11.2884, 0.4199, 0.2087



0.9037, 0.4028, 0.1992

Previews

White Background



This preview shows how the Yxy color 31.8968, 0.1949, 0.2215 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 31.8968, 0.1949, 0.2215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

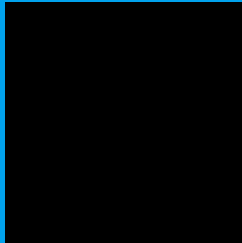
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

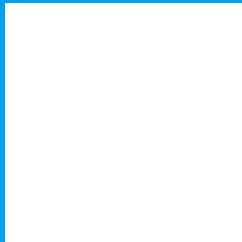
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.8968, 0.1949, 0.2215

Background



This preview shows how black text looks on a background with the Yxy color 31.8968, 0.1949, 0.2215.



This preview shows how white text looks on a background with the Yxy color 31.8968, 0.1949, 0.2215.

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

31.9032, 0.1949, 0.2215

Protanopia

31.7610, 0.2364, 0.2259

Deuteranopia

31.6937, 0.2180, 0.2119

Trichromacy



Original Color

31.9032, 0.1949, 0.2215

Protanomaly

30.5177, 0.2107, 0.2210

Deuteranomaly

31.1203, 0.2035, 0.2143

Monochromacy



Original Color

31.9032, 0.1949, 0.2215

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

22.1554, 0.2373, 0.2812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8968, 0.1949, 0.2215 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, 162, 236)` looks like.

```
.text, #text, p{  
    color:rgb(1, 162, 236)  
}
```

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, 162, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 162, 236) }
```

Border

The CSS property to change the border of an element to Yxy 31.8968, 0.1949, 0.2215 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, 162, 236) }
```

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

```
.border{ border-color:rgb(1, 162, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 162, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 162, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 162, 236);  
box-shadow:4px 4px 4px 4px rgb(1, 162,  
236) }
```

Background

The CSS property to change the background color of an element to Yxy 31.8968, 0.1949, 0.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 162, 236) }
```

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

```
.background{ background-color: rgb(1, 162,  
236) }
```

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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