

Converting Colors

$Y_{xy}(23.9297, 0.1095, 0.1872)$

Have a look what the booklet for
Yxy(23.9297, 0.1095, 0.1872)
contains.

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Color

Yxy(31.7342, 0.1914, 0.2091)

Conversions

Conversions Part 1

Format	Color
Hex	00A0F5
RGB	0, 160, 245
RGB Percent	0%, 63%, 96%
CMY	1.0000, 0.3725, 0.0392
CMYK	1.00, 0.35, 0.00, 0.04
HSL	201°, 100%, 48%
HSV	201°, 100%, 96%
XYZ	29.0479, 31.7342, 90.9835
YIQ	121.8500, -122.6450, -7.4850

Conversions

Conversions Part 2

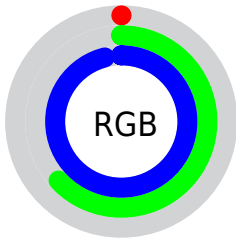
Format	Color
RYB	0, 97, 245
Decimal	41205
CIELab	63.12, -4.25, -51.96
CIELCh	63, 52.134, 265.320
Yxy	31.7342, 0.1914, 0.2091
Android (android.graphics.Color)	4278231285 (0xFF00A0F5)
YUV	121.8500, 60.7129, -106.8624
Hunter-Lab	56.3331, -6.5401, -56.3260

Details

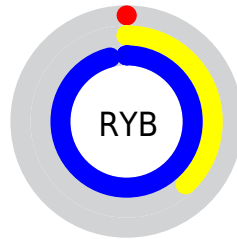
The Yxy color **31.7342, 0.1914, 0.2091** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **25.9094, 0.5872, 0.3719**, and the grayscale version is **19.2416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6281, 0.2305, 0.2785**, and **14.5681, 0.1847, 0.1850** is the 20% darker color. If you saturate the color by 10%, you get **31.7380, 0.1914, 0.2091**, and if you desaturate by 10%, it is **34.9871, 0.1967, 0.2222**.

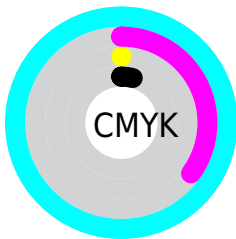
Distribution



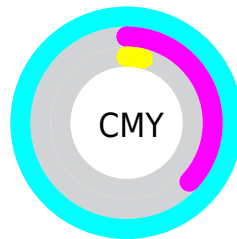
- Red (0%)
- Green (63%)
- Blue (96%)



- Red (0%)
- Yellow (38%)
- Blue (96%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (4%)




- Cyan (100%)
- Magenta (37%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7342, 0.1914, 0.2091 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 31.7342, 0.1914, 0.2091 by changing the saturation by 10% instead.

 31.7342, 0.1914,
0.2091


 31.7342, 0.1914,
0.2091


309.9067, 0.2514,
0.2692

 21.1586, 0.1773,
0.1948


 62.3942, 0.2127,
0.2306

 13.2400, 0.1599,
0.1770


 83.2473, 0.2209,
0.2388


 7.5940, 0.1383,
0.1546


 108.2950, 0.2278,
0.2458

 3.8363, 0.1111,
0.1262

 137.9217, 0.2339,
0.2518

 1.5824, 0.0777,
0.0907

 172.5119, 0.2391,
0.2570

 0.3457, 0.0252,
0.0388

212.4498, 0.2437,

 0.0000, 0.0000,

0.2616

0.0000

258.1199, 0.2478,
0.2656

■ 31.7342, 0.1914,
0.2091

■ 31.7342, 0.1914,
0.2091

■ 31.7380, 0.1914,
0.2091

■ 34.9871, 0.1967,
0.2222

■ 38.6938, 0.2038,
0.2356

■ 42.9401, 0.2130,
0.2491

■ 47.7768, 0.2242,
0.2624

■ 53.2468, 0.2370,
0.2754

■ 59.3881, 0.2511,
0.2878

■ 66.2350, 0.2661,
0.2995

■ 73.8191, 0.2816,
0.3103

■ 82.1695, 0.2972,
0.3201

Harmonies

Analogous

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



31.7342, 0.1724, 0.2384



31.7342, 0.1914, 0.2091



31.7342, 0.2394, 0.2083

Triad

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



31.7342, 0.1914, 0.2091



31.7342, 0.4612, 0.3291



31.7342, 0.2945, 0.4636

Complementary

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



31.7342, 0.1914, 0.2091



25.9094, 0.5872, 0.3719

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.



31.7342, 0.3728, 0.4805



31.7342, 0.1914, 0.2091



31.7342, 0.4746, 0.3888

Square

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



31.7342, 0.1914, 0.2091



31.7342, 0.3987, 0.2741



31.7342, 0.4394, 0.4455



31.7342, 0.2253, 0.3893

Rectangle

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



31.7342, 0.1914, 0.2091



31.7342, 0.2866, 0.2213



31.7342, 0.4394, 0.4455



31.7342, 0.3207, 0.4765

Sweetspot

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



31.7380, 0.1914, 0.2091



72.4853, 0.2660, 0.2994



65.9118, 0.2873, 0.5543



14.8165, 0.2596, 0.2946



0.0000, 0.0000, 0.0000



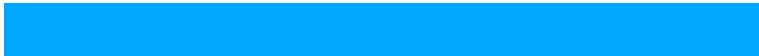
21.4041, 0.3127, 0.3290

Same Dimension

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



31.7380, 0.1914, 0.2091



34.6885, 0.1914, 0.2088



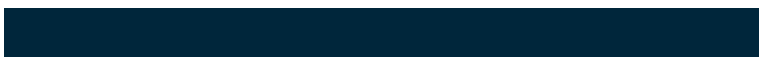
8.1673, 0.1535, 0.0726



17.7335, 0.2980, 0.3206



17.3660, 0.1920, 0.2112



1.7179, 0.1966, 0.2277

Inverse Universe

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



21.9517, 0.4351, 0.2171



24.0330, 0.4354, 0.2172



62.6801, 0.4528, 0.4787



16.6649, 0.3191, 0.3137



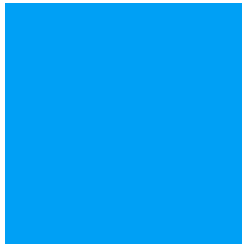
11.8525, 0.4328, 0.2158



1.0611, 0.4151, 0.2060

Previews

White Background



This preview shows how the Yxy color 31.7342, 0.1914, 0.2091 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 31.7342, 0.1914, 0.2091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

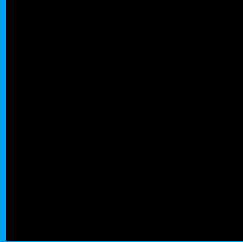
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

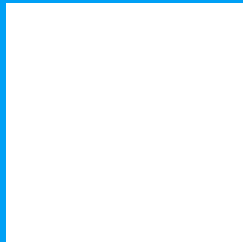
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.7342, 0.1914, 0.2091

Background



This preview shows how black text looks on a background with the Yxy color 31.7342, 0.1914, 0.2091.



This preview shows how white text looks on a background with the Yxy color 31.7342, 0.1914, 0.2091.

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

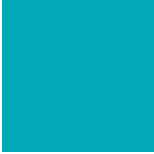
31.7342, 0.1914, 0.2091

Protanopia

31.4861, 0.2265, 0.2129

Deuteranopia

31.5516, 0.2084, 0.2015



Tritanopia

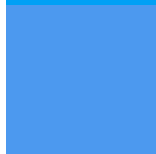
31.7121, 0.2190, 0.3082

Trichromacy



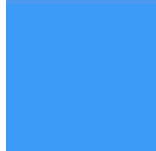
Original Color

31.7342, 0.1914, 0.2091



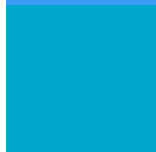
Protanomaly

30.5510, 0.2045, 0.2086



Deuteranomaly

31.0572, 0.1977, 0.2032



Tritanomaly

31.6321, 0.2077, 0.2678

Monochromacy



Original Color

31.7342, 0.1914, 0.2091



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.0180, 0.2343, 0.2727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7342, 0.1914, 0.2091 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, 160, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 245)  
}
```

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, 160, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 245) }
```

Border

The CSS property to change the border of an element to Yxy 31.7342, 0.1914, 0.2091 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, 160, 245) }
```

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

```
.border{ border-color:rgb(0, 160, 245) }
```

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

Here you see how a box with a 4 pixel rgb(0, 160, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7342, 0.1914, 0.2091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 245) }
```

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

```
.background{ background-color: rgb(0, 160,  
245) }
```

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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