

Converting Colors

$Y_{xy}(28.7488, 0.1647, 0.1989)$

Have a look what the booklet for
Yxy(28.7488, 0.1647, 0.1989)
contains.

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Color

Yxy(31.5117, 0.1905, 0.2056)

Conversions

Conversions Part 1

Format	Color
Hex	019FF7
RGB	1, 159, 247
RGB Percent	0%, 62%, 97%
CMY	0.9964, 0.3765, 0.0313
CMYK	1.00, 0.36, 0.00, 0.03
HSL	201°, 99%, 49%
HSV	201°, 100%, 97%
XYZ	29.1974, 31.5117, 92.5580
YIQ	121.7900, -122.4160, -6.1280

Conversions

Conversions Part 2

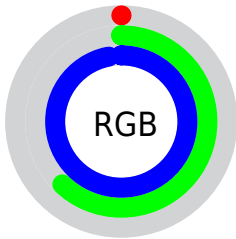
Format	Color
R _Y B	1, 97, 247
Decimal	106487
CIE Lab	62.94, -2.88, -53.36
CIE LCh	63, 53.438, 266.913
Yxy	31.5117, 0.1905, 0.2056
Android (android.graphics.Color)	4278296567 (0xFF019FF7)
YUV	121.7900, 61.7285, -105.9328
Hunter-Lab	56.1353, -5.3944, -58.4649

Details

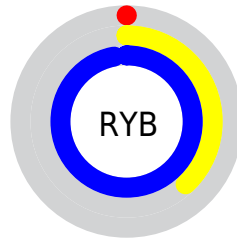
The Yxy color **31.5117, 0.1905, 0.2056** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **26.9184, 0.5836, 0.3745**, and the grayscale version is **19.2041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1235, 0.2302, 0.2772**, and **14.4428, 0.1836, 0.1809** is the 20% darker color. If you saturate the color by 10%, you get **31.3942, 0.1903, 0.2051**, and if you desaturate by 10%, it is **34.8698, 0.1959, 0.2191**.

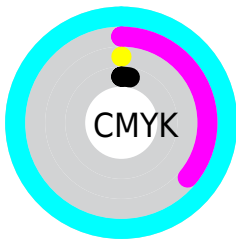
Distribution



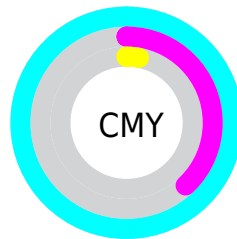
- Red (0%)
- Green (62%)
- Blue (97%)



- Red (0%)
- Yellow (38%)
- Blue (97%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (38%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5117, 0.1905, 0.2056 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 31.5117, 0.1905, 0.2056 by changing the saturation by 10% instead.


 31.5117, 0.1905,
0.2056


 31.5117, 0.1905,
0.2056


308.8888, 0.2509,
0.2672


 20.9888, 0.1763,
0.1910


 62.0448, 0.2119,
0.2275

 13.1158, 0.1589,
0.1730


 82.8238, 0.2201,
0.2359


 7.5083, 0.1372,
0.1504


 107.7903, 0.2272,
0.2431

 3.7820, 0.1101,
0.1220

 137.3286, 0.2333,
0.2493

 1.5524, 0.0768,
0.0867

 171.8233, 0.2385,
0.2546

 0.3252, 0.0259,
0.0353

211.6586, 0.2432,

 0.0000, 0.0000,

0.2593

0.0000

257.2190, 0.2473,
0.2635

■ 31.5117, 0.1905,
0.2056

■ 31.5117, 0.1905,
0.2056

■ 31.3942, 0.1903,
0.2051

■ 34.8698, 0.1959,
0.2191

■ 38.7115, 0.2032,
0.2329

■ 43.1181, 0.2127,
0.2469

■ 48.1410, 0.2241,
0.2607

■ 53.8246, 0.2372,
0.2741

■ 60.2075, 0.2514,
0.2870

■ 67.3252, 0.2665,
0.2990

■ 75.2100, 0.2821,
0.3101

■ 83.8919, 0.2978,
0.3202

Harmonies

Analogous

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



31.5117, 0.1696, 0.2335



31.5117, 0.1905, 0.2056



31.5117, 0.2409, 0.2063

Triad

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



31.5117, 0.1905, 0.2056



31.5117, 0.4673, 0.3318



31.5117, 0.2895, 0.4650

Complementary

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



31.5117, 0.1905, 0.2056



26.9184, 0.5836, 0.3745

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.



31.5117, 0.3697, 0.4853



31.5117, 0.1905, 0.2056



31.5117, 0.4779, 0.3929

Square

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



31.5117, 0.1905, 0.2056



31.5117, 0.4053, 0.2754



31.5117, 0.4392, 0.4506



31.5117, 0.2199, 0.3860

Rectangle

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



31.5117, 0.1905, 0.2056



31.5117, 0.2901, 0.2204



31.5117, 0.4392, 0.4506



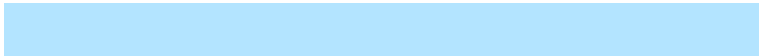
31.5117, 0.3161, 0.4793

Sweetspot

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



31.5127, 0.1905, 0.2056



72.0293, 0.2659, 0.2985



67.2312, 0.2860, 0.5493



14.7076, 0.2594, 0.2935



0.0000, 0.0000, 0.0000



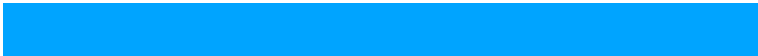
21.4041, 0.3127, 0.3290

Same Dimension

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



31.5127, 0.1905, 0.2056



33.6909, 0.1903, 0.2049



8.0983, 0.1531, 0.0709



17.7022, 0.2980, 0.3203



16.8781, 0.1909, 0.2074



1.6773, 0.1957, 0.2243

Inverse Universe

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



22.3010, 0.4390, 0.2193



23.9323, 0.4398, 0.2196



65.9270, 0.4489, 0.4816



16.6618, 0.3193, 0.3139



11.8032, 0.4370, 0.2181



1.0570, 0.4186, 0.2080

Previews

White Background



This preview shows how the Yxy color 31.5117, 0.1905, 0.2056 looks on a white background.

Color Contrast Check

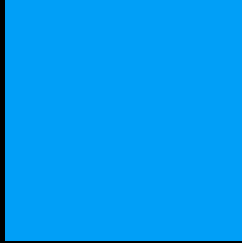
Large Text (above 18pt) WCAG AA × Fail

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 31.5117, 0.1905, 0.2056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

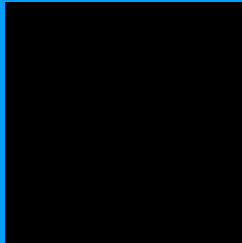
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

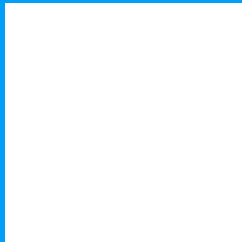
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.5117, 0.1905, 0.2056

Background



This preview shows how black text looks on a background with the Yxy color 31.5117, 0.1905, 0.2056.



This preview shows how white text looks on a background with the Yxy color 31.5117, 0.1905, 0.2056.

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

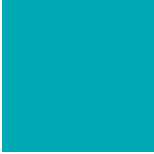
31.5181, 0.1905, 0.2057

Protanopia

31.1458, 0.2240, 0.2092

Deuteranopia

31.4199, 0.2056, 0.1991



Tritanopia

31.3006, 0.2189, 0.3081

Trichromacy



Original Color

31.5181, 0.1905, 0.2057

Protanomaly

30.3032, 0.2030, 0.2050

Deuteranomaly

31.0899, 0.1963, 0.2010

Tritanomaly

31.2699, 0.2073, 0.2661

Monochromacy



Original Color

31.5181, 0.1905, 0.2057

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

21.7377, 0.2339, 0.2708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5117, 0.1905, 0.2056 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, 159, 247)` looks like.

```
.text, #text, p{  
    color:rgb(1, 159, 247)  
}
```

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, 159, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 159, 247) }
```

Border

The CSS property to change the border of an element to Yxy 31.5117, 0.1905, 0.2056 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, 159, 247) }
```

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

```
.border{ border-color:rgb(1, 159, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 159, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(1, 159, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(1, 159, 247); box-shadow:4px 4px 4px 4px rgb(1, 159, 247) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5117, 0.1905, 0.2056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 159, 247) }
```

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

```
.background{ background-color: rgb(1, 159,  
247) }
```

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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