

Converting Colors

$Yxy(23.3432, 0.1296, 0.1754)$

Have a look what the booklet for
Yxy(23.3432, 0.1296, 0.1754)
contains.

Yxy(28.9105, 0.1869, 0.1930)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.9105, 0.1869, 0.1930)

Conversions

Conversions Part 1

Format	Color
Hex	0097F8
RGB	0, 151, 248
RGB Percent	0%, 59%, 97%
CMY	1.0000, 0.4077, 0.0276
CMYK	1.00, 0.39, 0.00, 0.03
HSL	203°, 100%, 49%
HSV	203°, 100%, 97%
XYZ	27.9967, 28.9105, 92.8881
YIQ	116.9090, -121.1330, -1.8450

Conversions

Conversions Part 2

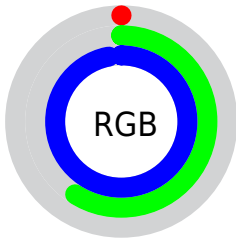
Format	Color
R _{YB}	0, 94, 248
Decimal	38904
CIE _{Lab}	60.70, 2.07, -57.44
CIE _{LCh}	61, 57.475, 272.059
Yxy	28.9105, 0.1869, 0.1930
Android (android.graphics.Color)	4278228984 (0xFF0097F8)
YUV	116.9090, 64.6279, -102.5292
Hunter-Lab	53.7685, -1.1516, -64.7889

Details

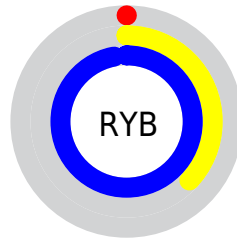
The Yxy color **28.9105, 0.1869, 0.1930** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **28.4905, 0.5753, 0.3814**, and the grayscale version is **17.5884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.1976, 0.2280, 0.2668**, and **13.0689, 0.1798, 0.1671** is the 20% darker color. If you saturate the color by 10%, you get **28.9175, 0.1870, 0.1930**, and if you desaturate by 10%, it is **32.3722, 0.1927, 0.2077**.

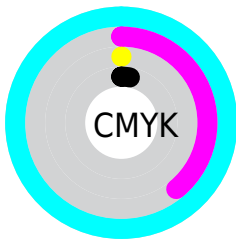
Distribution



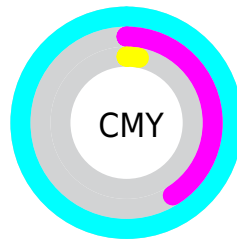
- Red (0%)
- Green (59%)
- Blue (97%)



- Red (0%)
- Yellow (37%)
- Blue (97%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (41%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9105, 0.1869, 0.1930 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 28.9105, 0.1869, 0.1930 by changing the saturation by 10% instead.


 28.9105, 0.1869,
0.1930


 28.9105, 0.1869,
0.1930


296.7924, 0.2497,
0.2605


 19.0131, 0.1721,
0.1772


 57.9349, 0.2092,
0.2169


 11.6798, 0.1540,
0.1580


 77.8306, 0.2178,
0.2261


 6.5260, 0.1314,
0.1341


 101.8280, 0.2251,
0.2339

 3.1675, 0.1035,
0.1047

 130.3113, 0.2314,
0.2407

 1.2198, 0.0698,
0.0696

 163.6651, 0.2369,
0.2466

 0.0778, 0.0139,
0.0087

202.2736, 0.2417,

 0.0000, 0.0000,

0.2518

0.0000

246.5212, 0.2459,
0.2564

■ 28.9105, 0.1869,
0.1930

■ 28.9105, 0.1869,
0.1930

■ 28.9175, 0.1870,
0.1930

■ 32.3722, 0.1927,
0.2077

■ 36.3491, 0.2004,
0.2228

■ 40.9342, 0.2103,
0.2382

■ 46.1814, 0.2221,
0.2534

■ 52.1367, 0.2356,
0.2683

■ 58.8409, 0.2502,
0.2824

■ 66.3310, 0.2656,
0.2956

■ 74.6408, 0.2814,
0.3078

■ 83.8020, 0.2972,
0.3190

Harmonies

Analogous

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



28.9105, 0.1593, 0.2163



28.9105, 0.1869, 0.1930



28.9105, 0.2463, 0.1989

Triad

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



28.9105, 0.1869, 0.1930



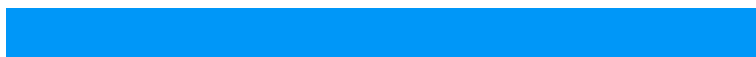
28.9105, 0.4897, 0.3411



28.9105, 0.2711, 0.4703

Complementary

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



28.9105, 0.1869, 0.1930



28.4905, 0.5753, 0.3814

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.



28.9105, 0.3581, 0.5037



28.9105, 0.1869, 0.1930



28.9105, 0.4893, 0.4070

Square

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



28.9105, 0.1869, 0.1930



28.9105, 0.4298, 0.2797



28.9105, 0.4379, 0.4695



28.9105, 0.2003, 0.3736

Rectangle

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



28.9105, 0.1869, 0.1930



28.9105, 0.3029, 0.2168



28.9105, 0.4379, 0.4695



28.9105, 0.2995, 0.4904

Sweetspot

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



28.9175, 0.1870, 0.1930



70.6446, 0.2656, 0.2956



67.9447, 0.2835, 0.5408



14.3775, 0.2590, 0.2901



0.0000, 0.0000, 0.0000



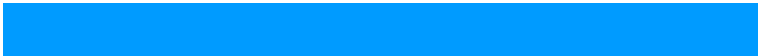
21.4041, 0.3127, 0.3290

Same Dimension

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



28.9175, 0.1870, 0.1930



30.7652, 0.1869, 0.1928



7.6509, 0.1519, 0.0669



18.4027, 0.2980, 0.3195



15.9061, 0.1876, 0.1954



1.6793, 0.1925, 0.2130

Inverse Universe

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



22.1866, 0.4533, 0.2271



23.6369, 0.4535, 0.2272



70.6362, 0.4419, 0.4874



17.4029, 0.3198, 0.3147



12.0166, 0.4506, 0.2256



1.1338, 0.4308, 0.2147

Previews

White Background



This preview shows how the Yxy color 28.9105, 0.1869, 0.1930 looks on a white background.

Color Contrast Check

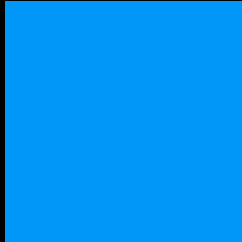
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9105, 0.1869, 0.1930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

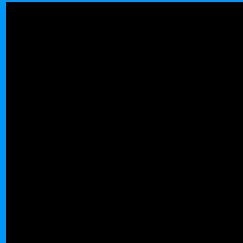
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

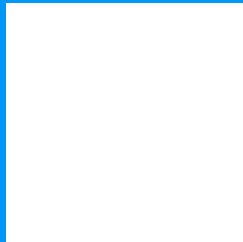
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.9105, 0.1869, 0.1930

Background



This preview shows how black text looks on a background with the Yxy color 28.9105, 0.1869, 0.1930.



This preview shows how white text looks on a background with the Yxy color 28.9105, 0.1869, 0.1930.

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

28.9105, 0.1869, 0.1930

Protanopia

28.7014, 0.2141, 0.1961

Deuteranopia

28.9359, 0.1962, 0.1898



Tritanopia

28.8578, 0.2192, 0.3091

Trichromacy



Original Color

28.9105, 0.1869, 0.1930

Protanomaly

27.9152, 0.1971, 0.1922

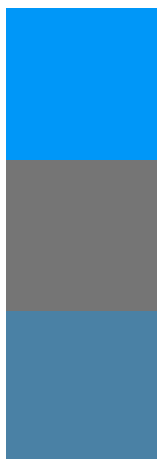
Deuteranomaly

28.5330, 0.1902, 0.1892

Tritanomaly

28.6239, 0.2055, 0.2596

Monochromacy



Original Color

28.9105, 0.1869, 0.1930

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.8730, 0.2303, 0.2620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9105, 0.1869, 0.1930 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, 151, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 248)  
}
```

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, 151, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 248) }
```

Border

The CSS property to change the border of an element to Yxy 28.9105, 0.1869, 0.1930 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, 151, 248) }
```

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

```
.border{ border-color:rgb(0, 151, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 151, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 151, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 151, 248); box-shadow:4px 4px 4px 4px rgb(0, 151, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9105, 0.1869, 0.1930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 248) }
```

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

```
.background{ background-color: rgb(0, 151,  
248) }
```

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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