

Converting Colors

$Yxy(23.6448, 0.1709, 0.1805)$

Have a look what the booklet for
Yxy(23.6448, 0.1709, 0.1805)
contains.

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Color

Yxy(24.9882, 0.1847, 0.1849)

Conversions

Conversions Part 1

Format	Color
Hex	008CEF
RGB	0, 140, 239
RGB Percent	0%, 55%, 94%
CMY	1.0000, 0.4510, 0.0626
CMYK	1.00, 0.41, 0.00, 0.06
HSL	205°, 100%, 47%
HSV	205°, 100%, 94%
XYZ	24.9612, 24.9882, 85.1950
YIQ	109.4260, -115.2190, 1.1090

Conversions

Conversions Part 2

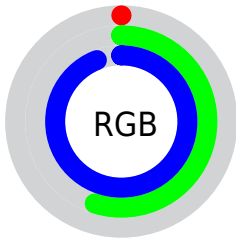
Format	Color
R _Y B	0, 88, 239
Decimal	36079
CIE Lab	57.06, 5.26, -58.32
CIE LCh	57, 58.560, 275.156
Yxy	24.9882, 0.1847, 0.1849
Android (android.graphics.Color)	4278226159 (0xFF008CEF)
YUV	109.4260, 63.8800, -95.9666
Hunter-Lab	49.9882, 1.6531, -66.0564

Details

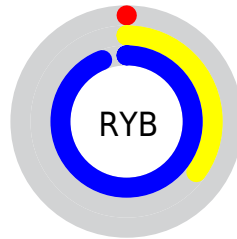
The Yxy color **24.9882, 0.1847, 0.1849** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **27.2876, 0.5683, 0.3870**, and the grayscale version is **15.2603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5481, 0.2237, 0.2508**, and **10.8596, 0.1772, 0.1579** is the 20% darker color. If you saturate the color by 10%, you get **24.9891, 0.1847, 0.1849**, and if you desaturate by 10%, it is **28.2079, 0.1907, 0.2004**.

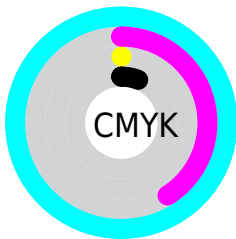
Distribution



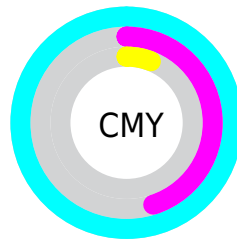
- Red (0%)
- Green (55%)
- Blue (94%)



- Red (0%)
- Yellow (35%)
- Blue (94%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (6%)




- Cyan (100%)
- Magenta (45%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9882, 0.1847, 0.1849 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 24.9882, 0.1847, 0.1849 by changing the saturation by 10% instead.


 24.9882, 0.1847,
0.1849


 24.9882, 0.1847,
0.1849


277.7792, 0.2499,
0.2572


 16.0683, 0.1690,
0.1679


 51.6381, 0.2081,
0.2106


 9.5725, 0.1497,
0.1471


 70.1368, 0.2171,
0.2205


 5.1164, 0.1256,
0.1215

 92.5973, 0.2247,
0.2289

 2.3157, 0.0957,
0.0903

 119.4038, 0.2312,
0.2361

 0.7820, 0.0601,
0.0539

 150.9409, 0.2368,
0.2424

 0.0000, 0.0000,
0.0000

187.5929, 0.2417,

0.2479

229.7442, 0.2461,
0.2528

■ 24.9882, 0.1847,
0.1849

■ 24.9882, 0.1847,
0.1849

■ 24.9891, 0.1847,
0.1849

■ 28.2079, 0.1907,
0.2004

■ 31.9314, 0.1988,
0.2164

■ 36.2406, 0.2090,
0.2327

■ 41.1858, 0.2212,
0.2488

■ 46.8100, 0.2350,
0.2646

■ 53.1513, 0.2499,
0.2796

■ 60.2444, 0.2655,
0.2936

■ 68.1214, 0.2814,
0.3066

■ 76.8119, 0.2972,
0.3184

Harmonies

Analogous

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



24.9882, 0.1528, 0.2052



24.9882, 0.1847, 0.1849



24.9882, 0.2503, 0.1941

Triad

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



24.9882, 0.1847, 0.1849



24.9882, 0.5044, 0.3471



24.9882, 0.2583, 0.4732

Complementary

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



24.9882, 0.1847, 0.1849



27.2876, 0.5683, 0.3870

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.



24.9882, 0.3495, 0.5165



24.9882, 0.1847, 0.1849



24.9882, 0.4960, 0.4164

Square

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



24.9882, 0.1847, 0.1849



24.9882, 0.4470, 0.2825



24.9882, 0.4361, 0.4826



24.9882, 0.1873, 0.3643

Rectangle

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



24.9882, 0.1847, 0.1849



24.9882, 0.3121, 0.2145



24.9882, 0.4361, 0.4826



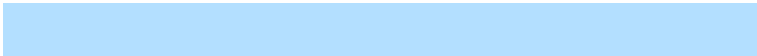
24.9882, 0.2878, 0.4976

Sweetspot

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



24.9891, 0.1847, 0.1849



69.6822, 0.2653, 0.2935



62.5906, 0.2821, 0.5355



14.1485, 0.2587, 0.2877



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.



24.9891, 0.1847, 0.1849



28.8249, 0.1846, 0.1844



6.8833, 0.1516, 0.0656



16.7672, 0.2980, 0.3190



14.0702, 0.1854, 0.1873



1.3663, 0.1911, 0.2078

Inverse Universe

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



20.2501, 0.4627, 0.2323



23.4410, 0.4633, 0.2326



67.0243, 0.4384, 0.4901



15.9142, 0.3201, 0.3153



11.2137, 0.4599, 0.2307



0.9526, 0.4365, 0.2178

Previews

White Background



This preview shows how the Yxy color 24.9882, 0.1847, 0.1849 looks on a white background.

Color Contrast Check

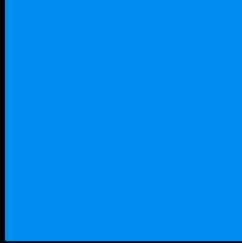
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9882, 0.1847, 0.1849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

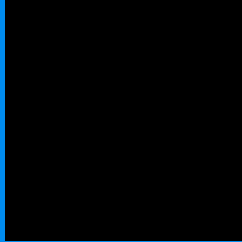
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

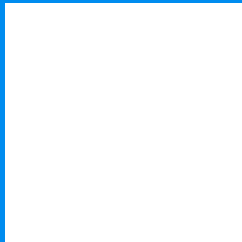
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.9882, 0.1847, 0.1849

Background



This preview shows how black text looks on a background with the Yxy color 24.9882, 0.1847, 0.1849.



This preview shows how white text looks on a background with the Yxy color 24.9882, 0.1847, 0.1849.

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

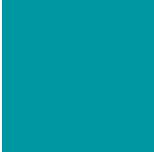
24.9882, 0.1847, 0.1849

Protanopia

24.9284, 0.2079, 0.1887

Deuteranopia

25.0726, 0.1897, 0.1831



Tritanopia

24.7419, 0.2189, 0.3079

Trichromacy



Original Color

24.9882, 0.1847, 0.1849

Protanomaly

24.5363, 0.1938, 0.1857

Deuteranomaly

25.0325, 0.1868, 0.1834

Tritanomaly

24.5851, 0.2039, 0.2542

Monochromacy



Original Color

24.9882, 0.1847, 0.1849

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

17.0985, 0.2291, 0.2582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9882, 0.1847, 0.1849 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, 140, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 239)  
}
```

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, 140, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 239) }
```

Border

The CSS property to change the border of an element to Yxy 24.9882, 0.1847, 0.1849 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, 140, 239) }
```

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

```
.border{ border-color:rgb(0, 140, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9882, 0.1847, 0.1849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 239) }
```

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

```
.background{ background-color: rgb(0, 140,  
239) }
```

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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