

Converting Colors

$Y_{xy}(22.0599, 0.0926, 0.1635)$

Have a look what the booklet for
Yxy(22.0599, 0.0926, 0.1635)
contains.

Yxy(30.9969, 0.1872, 0.1938)	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(30.9969, 0.1872, 0.1938)

Conversions

Conversions Part 1

Format	Color
Hex	019CFF
RGB	1, 156, 255
RGB Percent	0%, 61%, 100%
CMY	0.9980, 0.3883, 0.0000
CMYK	1.00, 0.39, 0.00, 0.00
HSL	203°, 100%, 50%
HSV	203°, 100%, 100%
XYZ	29.9413, 30.9969, 99.0045
YIQ	120.9410, -124.1590, -2.0710

Conversions

Conversions Part 2

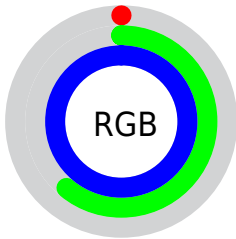
Format	Color
RYB	1, 97, 255
Decimal	105727
CIELab	62.51, 1.83, -58.41
CIELCh	63, 58.434, 271.791
Yxy	30.9969, 0.1872, 0.1938
Android (android.graphics.Color)	4278295807 (0xFF019CFF)
YUV	120.9410, 66.0911, -105.1883
Hunter-Lab	55.6749, -1.4358, -66.4608

Details

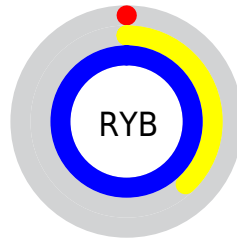
The Yxy color **30.9969, 0.1872, 0.1938** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **30.2802, 0.5756, 0.3810**, and the grayscale version is **18.8629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7579, 0.2302, 0.2734**, and **14.3853, 0.1803, 0.1690** is the 20% darker color. If you saturate the color by 10%, you get **30.9275, 0.1871, 0.1935**, and if you desaturate by 10%, it is **34.6805, 0.1929, 0.2084**.

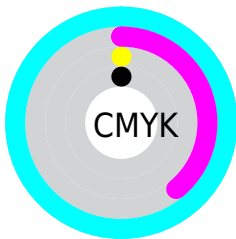
Distribution



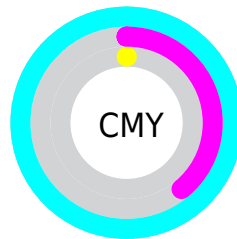
- Red (0%)
- Green (61%)
- Blue (100%)



- Red (0%)
- Yellow (38%)
- Blue (100%)



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9969, 0.1872, 0.1938 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 30.9969, 0.1872, 0.1938 by changing the saturation by 10% instead.


 30.9969, 0.1872,
0.1938


 30.9969, 0.1872,
0.1938


306.5240, 0.2491,
0.2601


 20.5965, 0.1728,
0.1785


 61.2352, 0.2091,
0.2171

 12.8294, 0.1552,
0.1598


 81.8419, 0.2175,
0.2262

 7.3112, 0.1335,
0.1368


 106.6194, 0.2247,
0.2339

 3.6574, 0.1066,
0.1085

 135.9522, 0.2309,
0.2406

 1.4838, 0.0741,
0.0746

 170.2247, 0.2364,
0.2464

 0.2773, 0.0290,
0.0261

209.8212, 0.2411,

 0.0000, 0.0000,

0.2515

0.0000

255.1262, 0.2454,
0.2561

■ 30.9969, 0.1872,
0.1938

■ 30.9969, 0.1872,
0.1938

■ 30.9275, 0.1871,
0.1935

■ 34.6805, 0.1929,
0.2084

■ 38.9222, 0.2006,
0.2235

■ 43.8117, 0.2105,
0.2388

■ 49.4067, 0.2224,
0.2540

■ 55.7562, 0.2358,
0.2687

■ 62.9037, 0.2505,
0.2828

■ 70.8885, 0.2659,
0.2960

■ 79.7469, 0.2817,
0.3081

■ 89.5127, 0.2975,
0.3192

Harmonies

Analogous

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



30.9969, 0.1600, 0.2174



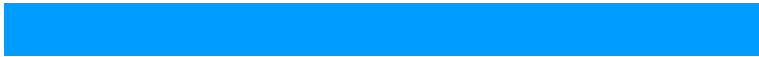
30.9969, 0.1872, 0.1938



30.9969, 0.2461, 0.1994

Triad

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



30.9969, 0.1872, 0.1938



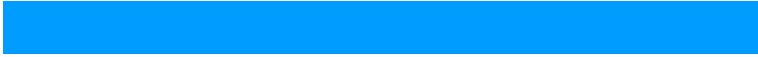
30.9969, 0.4883, 0.3407



30.9969, 0.2722, 0.4699

Complementary

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



30.9969, 0.1872, 0.1938



30.2802, 0.5756, 0.3810

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.



30.9969, 0.3587, 0.5025



30.9969, 0.1872, 0.1938



30.9969, 0.4886, 0.4062

Square

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



30.9969, 0.1872, 0.1938



30.9969, 0.4283, 0.2795



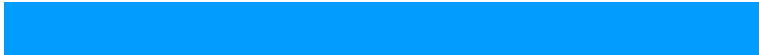
30.9969, 0.4380, 0.4683



30.9969, 0.2015, 0.3743

Rectangle

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



30.9969, 0.1872, 0.1938



30.9969, 0.3022, 0.2171



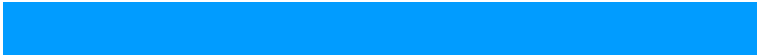
30.9969, 0.4380, 0.4683



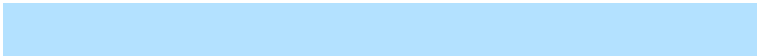
30.9969, 0.3005, 0.4896

Sweetspot

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



30.9978, 0.1872, 0.1938



70.7245, 0.2656, 0.2957



72.4008, 0.2835, 0.5406



14.3965, 0.2590, 0.2903



0.0000, 0.0000, 0.0000



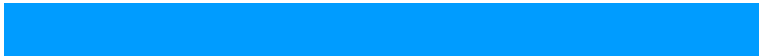
21.4041, 0.3127, 0.3290

Same Dimension

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



30.9978, 0.1872, 0.1938



30.9298, 0.1871, 0.1935



8.1616, 0.1520, 0.0670



19.2253, 0.2979, 0.3195



16.4602, 0.1878, 0.1959



1.8151, 0.1924, 0.2127

Inverse Universe

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



23.6696, 0.4523, 0.2266



23.6535, 0.4527, 0.2267



75.2734, 0.4418, 0.4873



18.1736, 0.3198, 0.3146



12.3896, 0.4499, 0.2252



1.2278, 0.4312, 0.2149

Previews

White Background



This preview shows how the Yxy color 30.9969, 0.1872, 0.1938 looks on a white background.

Color Contrast Check

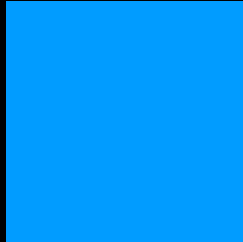
Large Text (above 18pt) WCAG AA × Fail

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 30.9969, 0.1872, 0.1938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

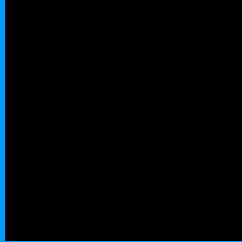
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

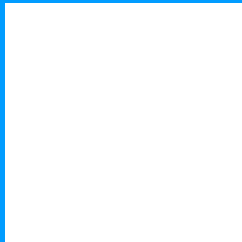
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.9969, 0.1872, 0.1938

Background



This preview shows how black text looks on a background with the Yxy color 30.9969, 0.1872, 0.1938.



This preview shows how white text looks on a background with the Yxy color 30.9969, 0.1872, 0.1938.

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

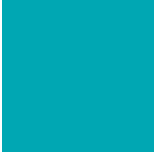
31.0034, 0.1872, 0.1938

Protanopia

30.8363, 0.2151, 0.1980

Deuteranopia

31.1323, 0.1980, 0.1920



Tritanopia

30.8921, 0.2189, 0.3080

Trichromacy



Original Color

31.0034, 0.1872, 0.1938

Protanomaly

29.9543, 0.1979, 0.1942

Deuteranomaly

30.6068, 0.1912, 0.1911

Tritanomaly

30.6994, 0.2052, 0.2586

Monochromacy



Original Color

31.0034, 0.1872, 0.1938

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

21.5303, 0.2310, 0.2640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9969, 0.1872, 0.1938 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, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 156, 255)  
}
```

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, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.9969, 0.1872, 0.1938 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, 156, 255) }
```

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

```
.border{ border-color:rgb(1, 156, 255) }
```

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

Here you see how a box with a 4 pixel rgb(1, 156, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9969, 0.1872, 0.1938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 156, 255) }
```

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

```
.background{ background-color: rgb(1, 156,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor