

Converting Colors

$Y_{xy}(27.0383, 0.1350, 0.1599)$

Have a look what the booklet for
Yxy(27.0383, 0.1350, 0.1599)
contains.

Yxy(31.3339, 0.1876, 0.1952)	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(31.3339, 0.1876, 0.1952)

Conversions

Conversions Part 1

Format	Color
Hex	019DFF
RGB	1, 157, 255
RGB Percent	0%, 62%, 100%
CMY	0.9971, 0.3844, 0.0000
CMYK	1.00, 0.38, 0.00, 0.00
HSL	203°, 100%, 50%
HSV	203°, 100%, 100%
XYZ	30.1139, 31.3339, 99.0742
YIQ	121.5280, -124.4340, -2.5940

Conversions

Conversions Part 2

Format	Color
R _Y B	1, 98, 255
Decimal	105983
CIE Lab	62.79, 1.26, -57.96
CIE LCh	63, 57.976, 271.243
Yxy	31.3339, 0.1876, 0.1952
Android (android.graphics.Color)	4278296063 (0xFF019DFF)
YUV	121.5280, 65.8017, -105.7031
Hunter-Lab	55.9767, -1.9311, -65.7548

Details

The Yxy color **31.3339, 0.1876, 0.1952** 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 **30.1378, 0.5764, 0.3803**, and the grayscale version is **19.0839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2533, 0.2304, 0.2747**, and **14.3853, 0.1803, 0.1690** is the 20% darker color. If you saturate the color by 10%, you get **31.2337, 0.1875, 0.1948**, and if you desaturate by 10%, it is **35.0131, 0.1933, 0.2097**.

Distribution



- Red (0%)
- Green (62%)
- Blue (100%)



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



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3339, 0.1876, 0.1952 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 31.3339, 0.1876, 0.1952 by changing the saturation by 10% instead.


 31.3339, 0.1876,
0.1952


 31.3339, 0.1876,
0.1952

308.0737, 0.2493,
0.2609

 20.8532, 0.1733,
0.1800


 61.7654, 0.2093,
0.2183

 13.0168, 0.1558,
0.1615


 82.4850, 0.2177,
0.2272

 7.4401, 0.1341,
0.1386


 107.3864, 0.2249,
0.2349

 3.7388, 0.1074,
0.1104

 136.8539, 0.2311,
0.2415

 1.5286, 0.0749,
0.0765

 171.2720, 0.2365,
0.2473

 0.3087, 0.0304,
0.0289

211.0251, 0.2413,

 0.0000, 0.0000,

0.2524

0.0000

256.4975, 0.2455,
0.2569

■ 31.3339, 0.1876,
0.1952

■ 31.3339, 0.1876,
0.1952

■ 31.2337, 0.1875,
0.1948

■ 35.0131, 0.1933,
0.2097

■ 39.2479, 0.2010,
0.2247

■ 44.1264, 0.2108,
0.2398

■ 49.7060, 0.2226,
0.2548

■ 56.0354, 0.2361,
0.2694

■ 63.1580, 0.2507,
0.2834

■ 71.1131, 0.2661,
0.2964

■ 79.9365, 0.2818,
0.3084

■ 89.6620, 0.2976,
0.3194

Harmonies

Analogous

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



31.3339, 0.1612, 0.2193



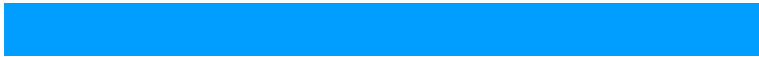
31.3339, 0.1876, 0.1952



31.3339, 0.2455, 0.2002

Triad

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



31.3339, 0.1876, 0.1952



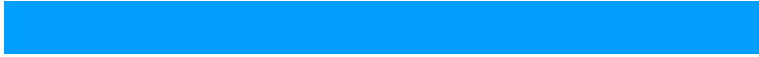
31.3339, 0.4858, 0.3396



31.3339, 0.2743, 0.4693

Complementary

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



31.3339, 0.1876, 0.1952



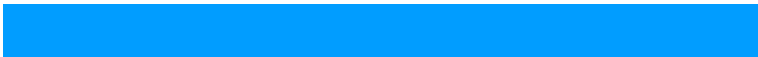
30.1378, 0.5764, 0.3803

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.



31.3339, 0.3601, 0.5003



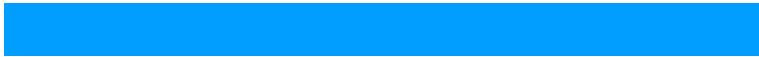
31.3339, 0.1876, 0.1952



31.3339, 0.4874, 0.4046

Square

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



31.3339, 0.1876, 0.1952



31.3339, 0.4255, 0.2790



31.3339, 0.4382, 0.4662



31.3339, 0.2037, 0.3757

Rectangle

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



31.3339, 0.1876, 0.1952



31.3339, 0.3007, 0.2175



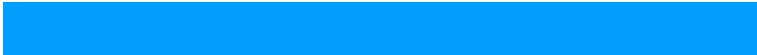
31.3339, 0.4382, 0.4662



31.3339, 0.3024, 0.4884

Sweetspot

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



31.3344, 0.1876, 0.1952



70.8714, 0.2656, 0.2960



72.4105, 0.2835, 0.5405



14.4315, 0.2591, 0.2906



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.



31.3344, 0.1876, 0.1952



31.2337, 0.1875, 0.1948



8.1737, 0.1520, 0.0670



19.2365, 0.2979, 0.3196



16.6185, 0.1881, 0.1972



1.8299, 0.1927, 0.2138

Inverse Universe

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



23.7099, 0.4507, 0.2258



23.6842, 0.4512, 0.2259



75.2938, 0.4418, 0.4873



18.1747, 0.3198, 0.3145



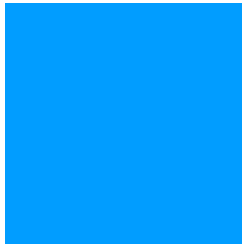
12.4056, 0.4485, 0.2244



1.2293, 0.4299, 0.2142

Previews

White Background



This preview shows how the Yxy color 31.3339, 0.1876, 0.1952 looks on a white background.

Color Contrast Check

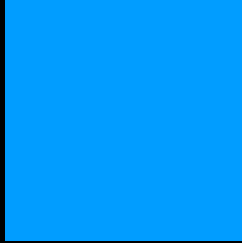
Large Text (above 18pt) WCAG AA × Fail

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 31.3339, 0.1876, 0.1952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

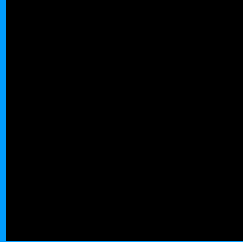
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

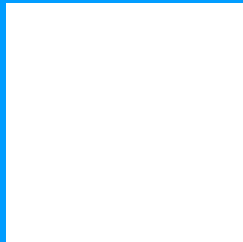
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.3339, 0.1876, 0.1952

Background



This preview shows how black text looks on a background with the Yxy color 31.3339, 0.1876, 0.1952.



This preview shows how white text looks on a background with the Yxy color 31.3339, 0.1876, 0.1952.

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

31.3404, 0.1876, 0.1952

Protanopia

31.2784, 0.2165, 0.1997

Deuteranopia

31.2543, 0.1990, 0.1923



Tritanopia

31.3006, 0.2189, 0.3081

Trichromacy



Original Color

31.3404, 0.1876, 0.1952

Protanomaly

30.3505, 0.1989, 0.1958

Deuteranomaly

30.9842, 0.1920, 0.1927

Tritanomaly

31.0559, 0.2056, 0.2603

Monochromacy



Original Color

31.3404, 0.1876, 0.1952

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 31.3339, 0.1876, 0.1952 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, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 157, 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, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 157, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.3339, 0.1876, 0.1952 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, 157, 255) }
```

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

```
.border{ border-color:rgb(1, 157, 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, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 157,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3339, 0.1876, 0.1952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 157, 255) }
```

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

```
.background{ background-color: rgb(1, 157,  
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