

Converting Colors

$Y_{xy}(24.9227, 0.1269, 0.1835)$

Have a look what the booklet for
Yxy(24.9227, 0.1269, 0.1835)
contains.

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Color

Yxy(30.9535, 0.1891, 0.2008)

Conversions

Conversions Part 1

Format	Color
Hex	009DF9
RGB	0, 157, 249
RGB Percent	0%, 62%, 98%
CMY	1.0000, 0.3843, 0.0236
CMYK	1.00, 0.37, 0.00, 0.02
HSL	202°, 100%, 49%
HSV	202°, 100%, 98%
XYZ	29.1499, 30.9535, 94.0475
YIQ	120.5450, -123.1040, -4.6720

Conversions

Conversions Part 2

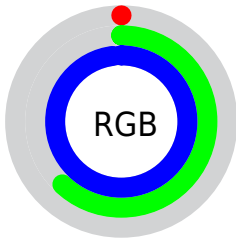
Format	Color
RYB	0, 96, 249
Decimal	40441
CIELab	62.47, -1.04, -55.18
CIELCh	62, 55.189, 268.921
Yxy	30.9535, 0.1891, 0.2008
Android (android.graphics.Color)	4278230521 (0xFF009DF9)
YUV	120.5450, 63.3283, -105.7180
Hunter-Lab	55.6359, -3.8392, -61.2793

Details

The Yxy color **30.9535, 0.1891, 0.2008** 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 **27.7864, 0.5813, 0.3766**, and the grayscale version is **18.7907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1880, 0.2301, 0.2747**, and **14.1138, 0.1820, 0.1751** is the 20% darker color. If you saturate the color by 10%, you get **30.9567, 0.1891, 0.2008**, and if you desaturate by 10%, it is **34.3926, 0.1946, 0.2147**.

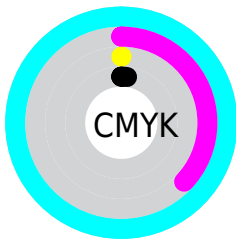
Distribution



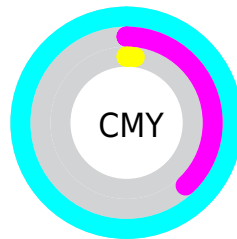
- Red (0%)
- Green (62%)
- Blue (98%)



- Red (0%)
- Yellow (38%)
- Blue (98%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (38%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9535, 0.1891, 0.2008 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 30.9535, 0.1891, 0.2008 by changing the saturation by 10% instead.


 30.9535, 0.1891,
0.2008


 30.9535, 0.1891,
0.2008


306.3240, 0.2503,
0.2645

 20.5634, 0.1748,
0.1858


 61.1669, 0.2108,
0.2234


 12.8053, 0.1572,
0.1674


 81.7589, 0.2191,
0.2321


 7.2946, 0.1353,
0.1445

 106.5205, 0.2262,
0.2395

 3.6470, 0.1081,
0.1159

 135.8359, 0.2324,
0.2459

 1.4781, 0.0749,
0.0809

 170.0896, 0.2377,
0.2514

 0.2733, 0.0247,
0.0288

209.6659, 0.2424,

 0.0000, 0.0000,

0.2563

0.0000

254.9492, 0.2466,
0.2606

■ 30.9535, 0.1891,
0.2008

■ 30.9535, 0.1891,
0.2008

■ 30.9567, 0.1891,
0.2008

■ 34.3926, 0.1946,
0.2147

■ 38.3301, 0.2020,
0.2290

■ 42.8546, 0.2116,
0.2435

■ 48.0199, 0.2231,
0.2578

■ 53.8716, 0.2362,
0.2717

■ 60.4498, 0.2506,
0.2850

■ 67.7911, 0.2658,
0.2975

■ 75.9290, 0.2815,
0.3090

■ 84.8947, 0.2972,
0.3195

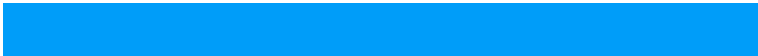
Harmonies

Analogous

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



30.9535, 0.1657, 0.2270



30.9535, 0.1891, 0.2008



30.9535, 0.2429, 0.2035

Triad

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



30.9535, 0.1891, 0.2008



30.9535, 0.4758, 0.3354



30.9535, 0.2827, 0.4671

Complementary

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



30.9535, 0.1891, 0.2008



27.7864, 0.5813, 0.3766

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.



30.9535, 0.3655, 0.4921



30.9535, 0.1891, 0.2008



30.9535, 0.4824, 0.3982

Square

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



30.9535, 0.1891, 0.2008



30.9535, 0.4143, 0.2770



30.9535, 0.4390, 0.4576



30.9535, 0.2125, 0.3815

Rectangle

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



30.9535, 0.1891, 0.2008



30.9535, 0.2948, 0.2190



30.9535, 0.4390, 0.4576



30.9535, 0.3100, 0.4835

Sweetspot

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



30.9567, 0.1891, 0.2008



71.5412, 0.2658, 0.2975



68.5022, 0.2849, 0.5455



14.5912, 0.2593, 0.2923



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.



30.9567, 0.1891, 0.2008



32.6419, 0.1891, 0.2006



7.9373, 0.1524, 0.0685



18.4676, 0.2980, 0.3200



16.8539, 0.1897, 0.2031



1.7636, 0.1944, 0.2198

Inverse Universe

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



22.5716, 0.4444, 0.2222



23.8264, 0.4446, 0.2223



69.1394, 0.4454, 0.4845



17.4094, 0.3195, 0.3141



12.1123, 0.4418, 0.2208



1.1423, 0.4235, 0.2107

Previews

White Background



This preview shows how the Yxy color 30.9535, 0.1891, 0.2008 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 30.9535, 0.1891, 0.2008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

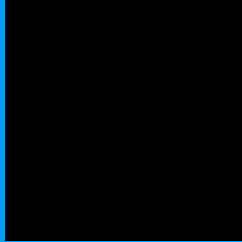
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

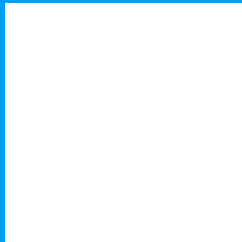
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.9535, 0.1891, 0.2008

Background



This preview shows how black text looks on a background with the Yxy color 30.9535, 0.1891, 0.2008.



This preview shows how white text looks on a background with the Yxy color 30.9535, 0.1891, 0.2008.

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

30.9535, 0.1891, 0.2008

Protanopia

30.7361, 0.2200, 0.2043

Deuteranopia

30.8743, 0.2025, 0.1960



Tritanopia

30.8921, 0.2189, 0.3080

Trichromacy



Original Color

30.9535, 0.1891, 0.2008

Protanomaly

30.0207, 0.2013, 0.2015

Deuteranomaly

30.4415, 0.1939, 0.1960

Tritanomaly

30.5540, 0.2063, 0.2627

Monochromacy



Original Color

30.9535, 0.1891, 0.2008

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

21.4551, 0.2323, 0.2671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9535, 0.1891, 0.2008 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, 157, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 249)  
}
```

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, 157, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 249) }
```

Border

The CSS property to change the border of an element to Yxy 30.9535, 0.1891, 0.2008 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, 157, 249) }
```

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

```
.border{ border-color:rgb(0, 157, 249) }
```

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

Here you see how a box with a 4 pixel rgb(0, 157, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9535, 0.1891, 0.2008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 249) }
```

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

```
.background{ background-color: rgb(0, 157,  
249) }
```

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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