

Converting Colors

$Y_{xy}(29.4244, 0.1858, 0.1869)$

Have a look what the booklet for
Yxy(29.4244, 0.1858, 0.1869)
contains.

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Color

Yxy(29.4244, 0.1858, 0.1869)

Conversions

| Conversions Part 1 | |
|--------------------|-----------------------------|
| Format | Color |
| Hex | 0B97FF |
| RGB | 11, 151, 255 |
| RGB Percent | 4%, 59%, 100% |
| CMY | 0.9587, 0.4078, 0.0000 |
| CMYK | 0.96, 0.41, 0.00, 0.00 |
| HSL | 206°, 100%, 52% |
| HSV | 206°, 96%, 100% |
| XYZ | 29.2512, 29.4244, 98.7583 |
| YIQ | 120.9960, -116.8240, 2.6640 |

Conversions

Conversions Part 2

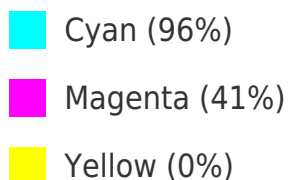
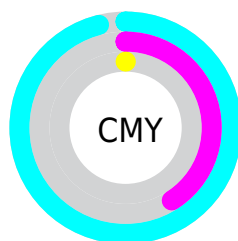
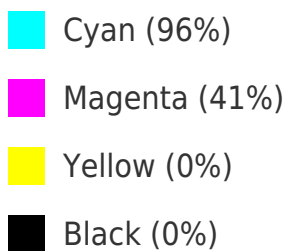
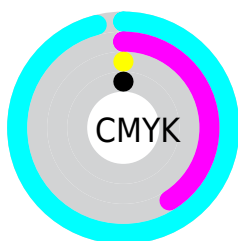
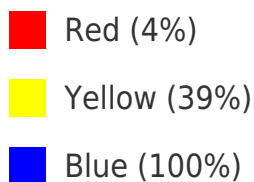
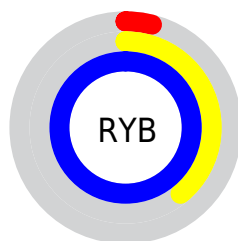
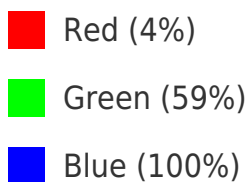
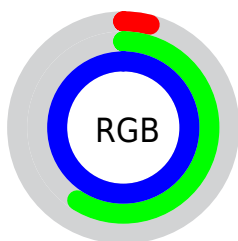
| Format | Color |
|-------------------------------------|---|
| RYB | 11, 100, 255 |
| Decimal | 759807 |
| CIELab | 61.15, 5.01, -60.57 |
| CIELCh | 61, 60.781, 274.732 |
| Yxy | 29.4244, 0.1858, 0.1869 |
| Android (android.graphics.Color) | 4278949887 (0xFF0B97FF) |
| YUV | 120.9960, 66.0640, -96.4665 |
| Hunter-Lab | 54.2443, 1.3287, -69.9737 |

Details

The Yxy color **29.4244, 0.1858, 0.1869** 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 **33.4330, 0.5569, 0.3930**, and the grayscale version is **18.8837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4601, 0.2296, 0.2670**, and **13.3846, 0.1779, 0.1604** is the 20% darker color. If you saturate the color by 10%, you get **27.9432, 0.1835, 0.1804**, and if you desaturate by 10%, it is **33.3854, 0.1926, 0.2030**.

Distribution




Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4244, 0.1858, 0.1869 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 29.4244, 0.1858, 0.1869 by changing the saturation by 10% instead.


 29.4244, 0.1858,
0.1869


 29.4244, 0.1858,
0.1869


 299.2122, 0.2488,
0.2564

 19.4021, 0.1711,
0.1710


 58.7507, 0.2081,
0.2113


 11.9612, 0.1531,
0.1517


 78.8235, 0.2167,
0.2207

 6.7173, 0.1310,
0.1281


 103.0152, 0.2240,
0.2288

 3.2859, 0.1036,
0.0994

 131.7103, 0.2304,
0.2358

 1.2828, 0.0708,
0.0657

 165.2932, 0.2359,
0.2420

 0.1278, 0.0236,
0.0124


 204.1482, 0.2407,


 0.0000, 0.0000,

0.2473

0.0000


248.6597, 0.2450,
0.2521


 29.4244, 0.1858,
0.1869


 29.4244, 0.1858,
0.1869


 27.9432, 0.1835,
0.1804

 33.3854, 0.1926,
0.2030

 38.0019, 0.2017,
0.2197

 43.3411, 0.2129,
0.2365

 49.4588, 0.2260,
0.2530

 56.4035, 0.2405,
0.2690

■ 64.2186, 0.2559,
0.2841

■ 72.9439, 0.2718,
0.2982

■ 82.6163, 0.2878,
0.3111

■ 93.2703, 0.3036,
0.3227

Harmonies

Analogous

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



29.4244, 0.1546, 0.2076



29.4244, 0.1858, 0.1869



29.4244, 0.2502, 0.1956

Triad

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



29.4244, 0.1858, 0.1869



29.4244, 0.5010, 0.3464



29.4244, 0.2607, 0.4715

Complementary

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



29.4244, 0.1858, 0.1869



33.4330, 0.5569, 0.3930

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.



29.4244, 0.3507, 0.5132



29.4244, 0.1858, 0.1869



29.4244, 0.4939, 0.4148

Square

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



29.4244, 0.1858, 0.1869



29.4244, 0.4435, 0.2824



29.4244, 0.4358, 0.4798



29.4244, 0.1900, 0.3654

Rectangle

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



29.4244, 0.1858, 0.1869



29.4244, 0.3109, 0.2155



29.4244, 0.4358, 0.4798



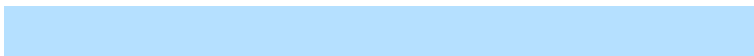
29.4244, 0.2898, 0.4951

Sweetspot

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



29.4242, 0.1858, 0.1869



70.1170, 0.2668, 0.2939



72.7664, 0.2793, 0.5233



14.2136, 0.2600, 0.2879



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.



29.4242, 0.1858, 0.1869



27.9432, 0.1835, 0.1804



8.2623, 0.1528, 0.0676



19.1112, 0.2979, 0.3186



14.9032, 0.1842, 0.1830



1.6678, 0.1892, 0.2012

Inverse Universe

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



23.7231, 0.4600, 0.2325



23.3520, 0.4680, 0.2352



80.4861, 0.4337, 0.4923



18.1621, 0.3204, 0.3154



12.2325, 0.4649, 0.2335



1.2129, 0.4439, 0.2219

Previews

White Background



This preview shows how the Yxy color 29.4244, 0.1858, 0.1869 looks on a white background.

Color Contrast Check

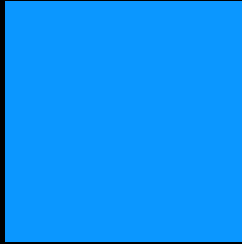
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4244, 0.1858, 0.1869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

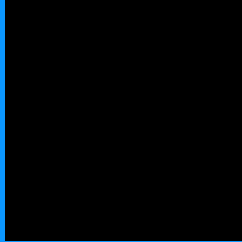
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

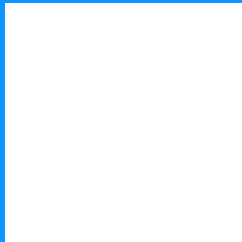
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.4244, 0.1858, 0.1869

Background



This preview shows how black text looks on a background with the Yxy color 29.4244, 0.1858, 0.1869.

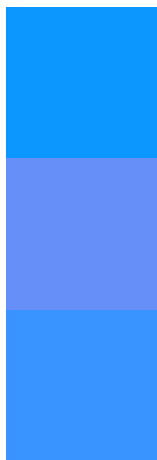


This preview shows how white text looks on a background with the Yxy color 29.4244, 0.1858, 0.1869.

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

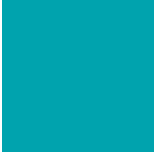
29.4244, 0.1858, 0.1869

Protanopia

29.1851, 0.2094, 0.1905

Deuteranopia

29.2993, 0.1919, 0.1850



Tritanopia

29.2504, 0.2192, 0.3093

Trichromacy



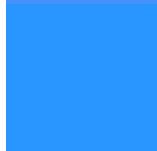
Original Color

29.4244, 0.1858, 0.1869



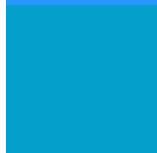
Protanomaly

28.7251, 0.1958, 0.1876



Deuteranomaly

29.1863, 0.1886, 0.1852



Tritanomaly

29.1339, 0.2051, 0.2572

Monochromacy



Original Color

29.4244, 0.1858, 0.1869



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.1541, 0.2328, 0.2606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4244, 0.1858, 0.1869 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(11, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(11, 151, 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(11, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.4244, 0.1858, 0.1869 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(11, 151, 255) }
```

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

```
.border{ border-color:rgb(11, 151, 255) }
```

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

Here you see how a box with a 4 pixel rgb(11, 151, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(11, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4244, 0.1858, 0.1869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:rgb(11, 151, 255) }
```

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

```
.background{ background-color:rgb(11, 151,  
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](#).

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