

Converting Colors

$Yxy(23.7824, 0.1560, 0.1737)$

Have a look what the booklet for
Yxy(23.7824, 0.1560, 0.1737)
contains.

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Color

Yxy(26.6619, 0.1844, 0.1837)

Conversions

Conversions Part 1

Format	Color
Hex	0190F7
RGB	1, 144, 247
RGB Percent	0%, 56%, 97%
CMY	0.9978, 0.4353, 0.0315
CMYK	1.00, 0.42, 0.00, 0.03
HSL	205°, 100%, 49%
HSV	205°, 100%, 97%
XYZ	26.7635, 26.6619, 91.7129
YIQ	112.9850, -118.2910, 1.7170

Conversions

Conversions Part 2

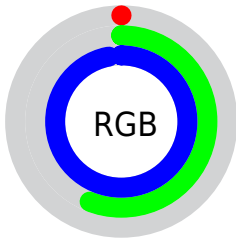
Format	Color
R _Y B	1, 91, 247
Decimal	102647
CIE Lab	58.66, 5.91, -60.16
CIE LCh	59, 60.446, 275.612
Yxy	26.6619, 0.1844, 0.1837
Android (android.graphics.Color)	4278292727 (0xFF0190F7)
YUV	112.9850, 66.0694, -98.2108
Hunter-Lab	51.6352, 2.1584, -69.1646

Details

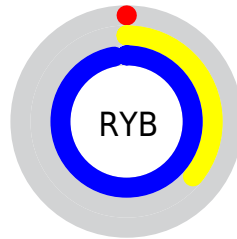
The Yxy color **26.6619, 0.1844, 0.1837** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **29.5807, 0.5671, 0.3878**, and the grayscale version is **16.2936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4675, 0.2257, 0.2563**, and **11.9021, 0.1771, 0.1574** is the 20% darker color. If you saturate the color by 10%, you get **26.5879, 0.1843, 0.1834**, and if you desaturate by 10%, it is **30.1400, 0.1905, 0.1993**.

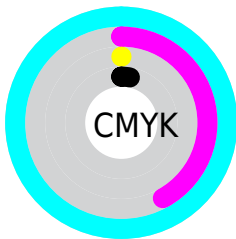
Distribution



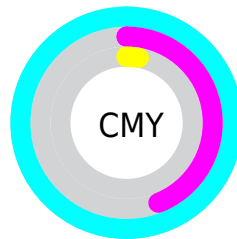
- Red (0%)
- Green (56%)
- Blue (97%)



- Red (0%)
- Yellow (36%)
- Blue (97%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (44%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.6619, 0.1844, 0.1837 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 26.6619, 0.1844, 0.1837 by changing the saturation by 10% instead.


 26.6619, 0.1844,
0.1837

 26.6619, 0.1844,
0.1837


286.0164, 0.2491,
0.2556


 17.3195, 0.1691,
0.1671


 54.3408, 0.2075,
0.2091


 10.4625, 0.1503,
0.1468

 73.4461, 0.2163,
0.2188

 5.7067, 0.1270,
0.1220


 96.5745, 0.2238,
0.2272

 2.6676, 0.0983,
0.0920

 124.1104, 0.2303,
0.2345

 0.9607, 0.0641,
0.0573

 156.4381, 0.2359,
0.2408

 0.0000, 0.0004,
0.0000

193.9421, 0.2408,

 0.0000, 0.0000,

0.2463

0.0000

237.0067, 0.2452,
0.2512

■ 26.6619, 0.1844,
0.1837

■ 26.6619, 0.1844,
0.1837

■ 26.5879, 0.1843,
0.1834

■ 30.1400, 0.1905,
0.1993

■ 34.1712, 0.1986,
0.2155

■ 38.8406, 0.2089,
0.2319

■ 44.2028, 0.2212,
0.2483

■ 50.3044, 0.2351,
0.2642

■ 57.1870, 0.2501,
0.2794

■ 64.8881, 0.2657,
0.2936

■ 73.4424, 0.2817,
0.3066

■ 82.8825, 0.2975,
0.3185

Harmonies

Analogous

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



26.6619, 0.1518, 0.2035



26.6619, 0.1844, 0.1837



26.6619, 0.2510, 0.1934

Triad

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



26.6619, 0.1844, 0.1837



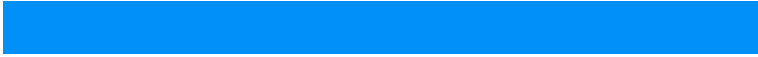
26.6619, 0.5066, 0.3480



26.6619, 0.2564, 0.4736

Complementary

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



26.6619, 0.1844, 0.1837



29.5807, 0.5671, 0.3878

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.



26.6619, 0.3481, 0.5185



26.6619, 0.1844, 0.1837



26.6619, 0.4969, 0.4178

Square

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



26.6619, 0.1844, 0.1837



26.6619, 0.4496, 0.2829



26.6619, 0.4357, 0.4846



26.6619, 0.1853, 0.3628

Rectangle

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



26.6619, 0.1844, 0.1837



26.6619, 0.3136, 0.2141



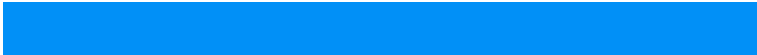
26.6619, 0.4357, 0.4846



26.6619, 0.2860, 0.4986

Sweetspot

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



26.6627, 0.1844, 0.1837



69.5350, 0.2653, 0.2932



67.4957, 0.2807, 0.5304



14.1135, 0.2586, 0.2873



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.



26.6627, 0.1844, 0.1837



28.5348, 0.1842, 0.1831



7.2576, 0.1513, 0.0643



17.5294, 0.2980, 0.3189



14.3514, 0.1850, 0.1859



1.4642, 0.1905, 0.2056

Inverse Universe

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



21.7958, 0.4641, 0.2331



23.4117, 0.4649, 0.2334



74.4055, 0.4349, 0.4928



16.6443, 0.3202, 0.3153



11.5482, 0.4615, 0.2316



1.0354, 0.4390, 0.2192

Previews

White Background



This preview shows how the Yxy color 26.6619, 0.1844, 0.1837 looks on a white background.

Color Contrast Check

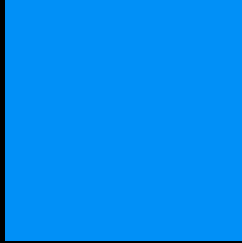
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6619, 0.1844, 0.1837 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

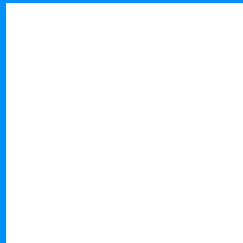
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.6619, 0.1844, 0.1837

Background



This preview shows how black text looks on a background with the Yxy color 26.6619, 0.1844, 0.1837.



This preview shows how white text looks on a background with the Yxy color 26.6619, 0.1844, 0.1837.

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

26.6684, 0.1844, 0.1837

Protanopia

26.6155, 0.2069, 0.1874

Deuteranopia

26.6422, 0.1891, 0.1826



Tritanopia

26.5670, 0.2190, 0.3085

Trichromacy



Original Color

26.6684, 0.1844, 0.1837

Protanomaly

26.2193, 0.1934, 0.1845

Deuteranomaly

26.6215, 0.1864, 0.1830

Tritanomaly

26.4420, 0.2041, 0.2546

Monochromacy



Original Color

26.6684, 0.1844, 0.1837

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

18.4017, 0.2288, 0.2567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6619, 0.1844, 0.1837 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, 144, 247)` looks like.

```
.text, #text, p{  
    color:rgb(1, 144, 247)  
}
```

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, 144, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 144, 247) }
```

Border

The CSS property to change the border of an element to Yxy 26.6619, 0.1844, 0.1837 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, 144, 247) }
```

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

```
.border{ border-color:rgb(1, 144, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 144, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 144, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 144, 247);  
box-shadow:4px 4px 4px 4px rgb(1, 144,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6619, 0.1844, 0.1837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 144, 247) }
```

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

```
.background{ background-color: rgb(1, 144,  
247) }
```

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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