

Converting Colors

$Yxy(18.5802, 0.0935, 0.1523)$

Have a look what the booklet for
Yxy(18.5802, 0.0935, 0.1523)
contains.

Yxy(26.4222, 0.1837, 0.1814)	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(26.4222, 0.1837, 0.1814)

Conversions

Conversions Part 1

Format	Color
Hex	008FF8
RGB	0, 143, 248
RGB Percent	0%, 56%, 97%
CMY	1.0000, 0.4391, 0.0275
CMYK	1.00, 0.42, 0.00, 0.03
HSL	205°, 100%, 49%
HSV	205°, 100%, 97%
XYZ	26.7572, 26.4222, 92.4777
YIQ	112.2130, -118.9330, 2.3390

Conversions

Conversions Part 2

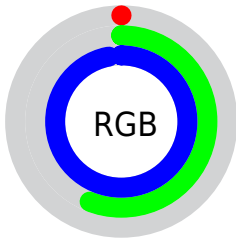
Format	Color
R _{YB}	0, 91, 248
Decimal	36856
CIE _{Lab}	58.44, 6.85, -61.07
CIE _{LCh}	58, 61.450, 276.403
Yxy	26.4222, 0.1837, 0.1814
Android (android.graphics.Color)	4278226936 (0xFF008FF8)
YUV	112.2130, 66.9430, -98.4108
Hunter-Lab	51.4025, 2.9624, -70.6862

Details

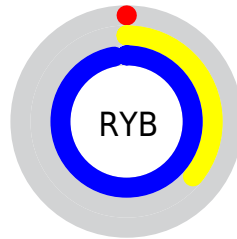
The Yxy color **26.4222, 0.1837, 0.1814** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **30.0471, 0.5660, 0.3887**, and the grayscale version is **16.0978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0149, 0.2254, 0.2550**, and **11.7670, 0.1763, 0.1548** is the 20% darker color. If you saturate the color by 10%, you get **26.4264, 0.1837, 0.1814**, and if you desaturate by 10%, it is **29.9313, 0.1898, 0.1972**.

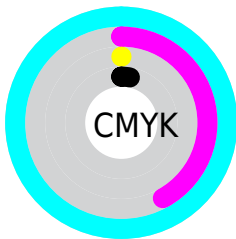
Distribution



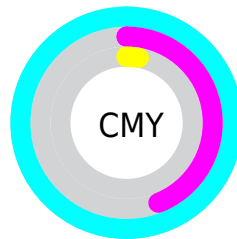
- Red (0%)
- Green (56%)
- Blue (97%)



- 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 26.4222, 0.1837, 0.1814 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 26.4222, 0.1837, 0.1814 by changing the saturation by 10% instead.


 26.4222, 0.1837,
0.1814

 26.4222, 0.1837,
0.1814


284.8485, 0.2487,
0.2542


 17.1398, 0.1683,
0.1646


 53.9553, 0.2069,
0.2070

 10.3342, 0.1495,
0.1442


 72.9747, 0.2158,
0.2170

 5.6211, 0.1261,
0.1194


 96.0086, 0.2233,
0.2254

 2.6161, 0.0974,
0.0895

 123.4413, 0.2299,
0.2328

 0.9348, 0.0633,
0.0551

 155.6573, 0.2355,
0.2392

 0.0000, 0.0003,
0.0000

193.0409, 0.2405,

 0.0000, 0.0000,

0.2448

0.0000

235.9765, 0.2448,
0.2498

■ 26.4222, 0.1837,
0.1814

■ 26.4222, 0.1837,
0.1814

■ 26.4264, 0.1837,
0.1814

■ 29.9313, 0.1898,
0.1972

■ 33.9984, 0.1979,
0.2136

■ 38.7155, 0.2083,
0.2302

■ 44.1381, 0.2206,
0.2468

■ 50.3139, 0.2346,
0.2630

■ 57.2851, 0.2496,
0.2784

■ 65.0900, 0.2653,
0.2928

■ 73.7640, 0.2813,
0.3061

■ 83.3401, 0.2972,
0.3181

Harmonies

Analogous

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



26.4222, 0.1499, 0.2004



26.4222, 0.1837, 0.1814



26.4222, 0.2521, 0.1920

Triad

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



26.4222, 0.1837, 0.1814



26.4222, 0.5108, 0.3496



26.4222, 0.2527, 0.4744

Complementary

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



26.4222, 0.1837, 0.1814



30.0471, 0.5660, 0.3887

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.



26.4222, 0.3457, 0.5223



26.4222, 0.1837, 0.1814



26.4222, 0.4987, 0.4204

Square

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



26.4222, 0.1837, 0.1814



26.4222, 0.4546, 0.2836



26.4222, 0.4351, 0.4884



26.4222, 0.1817, 0.3601

Rectangle

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



26.4222, 0.1837, 0.1814



26.4222, 0.3162, 0.2134



26.4222, 0.4351, 0.4884



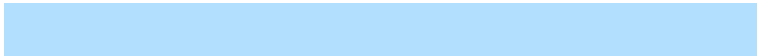
26.4222, 0.2826, 0.5008

Sweetspot

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



26.4264, 0.1837, 0.1814



69.3171, 0.2652, 0.2927



68.1067, 0.2808, 0.5309



14.0617, 0.2586, 0.2868



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.



26.4264, 0.1837, 0.1814



28.1088, 0.1837, 0.1812



7.3000, 0.1512, 0.0642



18.3057, 0.2980, 0.3187



14.5623, 0.1844, 0.1839



1.5587, 0.1897, 0.2029

Inverse Universe

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



21.9361, 0.4669, 0.2345



23.3687, 0.4671, 0.2347



75.0617, 0.4350, 0.4928



17.3931, 0.3203, 0.3154



11.8810, 0.4639, 0.2329



1.1216, 0.4421, 0.2209

Previews

White Background



This preview shows how the Yxy color 26.4222, 0.1837, 0.1814 looks on a white background.

Color Contrast Check

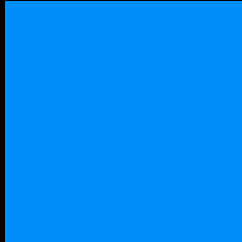
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.4222, 0.1837, 0.1814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

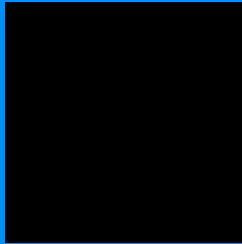
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

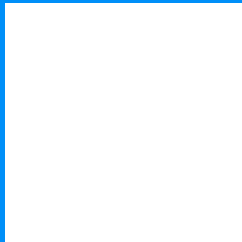
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.4222, 0.1837, 0.1814

Background



This preview shows how black text looks on a background with the Yxy color 26.4222, 0.1837, 0.1814.



This preview shows how white text looks on a background with the Yxy color 26.4222, 0.1837, 0.1814.

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

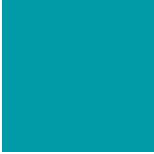
26.4222, 0.1837, 0.1814

Protanopia

26.2863, 0.2053, 0.1848

Deuteranopia

26.5354, 0.1872, 0.1812



Tritanopia

26.1959, 0.2190, 0.3084

Trichromacy



Original Color

26.4222, 0.1837, 0.1814

Protanomaly

25.9267, 0.1921, 0.1820

Deuteranomaly

26.3175, 0.1852, 0.1805

Tritanomaly

26.1187, 0.2036, 0.2528

Monochromacy



Original Color

26.4222, 0.1837, 0.1814

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

18.0787, 0.2284, 0.2562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.4222, 0.1837, 0.1814 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, 143, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 248)  
}
```

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, 143, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 248) }
```

Border

The CSS property to change the border of an element to Yxy 26.4222, 0.1837, 0.1814 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, 143, 248) }
```

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

```
.border{ border-color:rgb(0, 143, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 26.4222, 0.1837, 0.1814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 248) }
```

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

```
.background{ background-color: rgb(0, 143,  
248) }
```

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