

Converting Colors

$Yxy(26.1821, 0.1862, 0.1901)$

Have a look what the booklet for
Yxy(26.1821, 0.1862, 0.1901)
contains.

Yxy(26.2442, 0.1862, 0.1900)	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(26.2442, 0.1862, 0.1900)

Conversions

Conversions Part 1

Format	Color
Hex	0190F0
RGB	1, 144, 240
RGB Percent	0%, 56%, 94%
CMY	0.9946, 0.4353, 0.0587
CMYK	0.99, 0.40, 0.00, 0.06
HSL	204°, 99%, 47%
HSV	204°, 99%, 94%
XYZ	25.7193, 26.2442, 86.1639
YIQ	112.1870, -116.0440, -0.4600

Conversions

Conversions Part 2

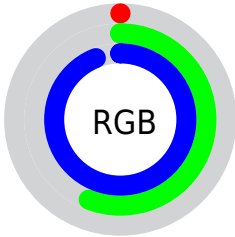
Format	Color
R _Y B	1, 90, 240
Decimal	102640
CIE Lab	58.27, 3.28, -56.94
CIE LCh	58, 57.037, 273.298
Yxy	26.2442, 0.1862, 0.1900
Android (android.graphics.Color)	4278292720 (0xFF0190F0)
YUV	112.1870, 63.0118, -97.5110
Hunter-Lab	51.2291, -0.0359, -63.8614

Details

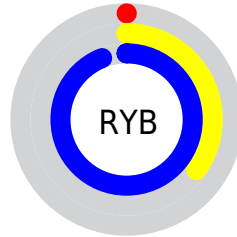
The Yxy color **26.2442, 0.1862, 0.1900** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **27.1590, 0.5704, 0.3848**, and the grayscale version is **16.1329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3406, 0.2249, 0.2561**, and **11.4243, 0.1785, 0.1625** is the 20% darker color. If you saturate the color by 10%, you get **26.0672, 0.1859, 0.1891**, and if you desaturate by 10%, it is **29.4997, 0.1922, 0.2051**.

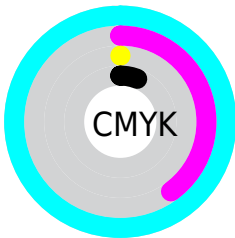
Distribution



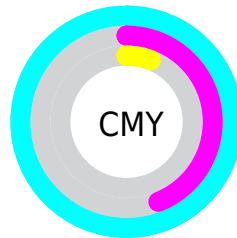
- Red (0%)
- Green (56%)
- Blue (94%)



- Red (0%)
- Yellow (35%)
- Blue (94%)



- Cyan (99%)
- Magenta (40%)
- Yellow (0%)
- Black (6%)



- Cyan (99%)
- Magenta (44%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.2442, 0.1862, 0.1900 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 26.2442, 0.1862, 0.1900 by changing the saturation by 10% instead.

■ 26.2442, 0.1862,
0.1900

■ 26.2442, 0.1862,
0.1900

283.9788, 0.2503,
0.2597

■ 17.0064, 0.1709,
0.1735

■ 53.6686, 0.2092,
0.2148

■ 10.2391, 0.1519,
0.1533

■ 72.6241, 0.2179,
0.2244

■ 5.5578, 0.1283,
0.1283

■ 95.5875, 0.2254,
0.2325

■ 2.5781, 0.0989,
0.0975

■ 122.9434, 0.2318,
0.2395

■ 0.9157, 0.0637,
0.0611

■ 155.0761, 0.2374,
0.2455

■ 0.0000, 0.0000,
0.0000

192.3699, 0.2422,

0.2508

235.2094, 0.2465,
0.2555

■ 26.2442, 0.1862,
0.1900

■ 26.2442, 0.1862,
0.1900

■ 26.0672, 0.1859,
0.1891

■ 29.4997, 0.1922,
0.2051

■ 33.2592, 0.2002,
0.2207

■ 37.5989, 0.2104,
0.2365

■ 42.5686, 0.2225,
0.2522

■ 48.2108, 0.2362,
0.2674

■ 54.5634, 0.2510,
0.2819

■ 61.6607, 0.2665,
0.2954

■ 69.5344, 0.2823,
0.3079

■ 78.2141, 0.2981,
0.3193

Harmonies

Analogous

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



26.2442, 0.1570, 0.2121



26.2442, 0.1862, 0.1900



26.2442, 0.2480, 0.1972

Triad

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



26.2442, 0.1862, 0.1900



26.2442, 0.4952, 0.3435



26.2442, 0.2662, 0.4712

Complementary

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



26.2442, 0.1862, 0.1900



27.1590, 0.5704, 0.3848

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.



26.2442, 0.3548, 0.5083



26.2442, 0.1862, 0.1900



26.2442, 0.4918, 0.4107

Square

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



26.2442, 0.1862, 0.1900



26.2442, 0.4362, 0.2809



26.2442, 0.4372, 0.4744



26.2442, 0.1954, 0.3700

Rectangle

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



26.2442, 0.1862, 0.1900



26.2442, 0.3065, 0.2160



26.2442, 0.4372, 0.4744



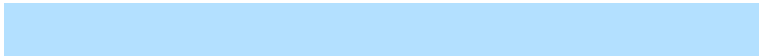
26.2442, 0.2950, 0.4929

Sweetspot

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



26.2450, 0.1862, 0.1900



70.1711, 0.2655, 0.2946



63.2016, 0.2819, 0.5345



14.2648, 0.2588, 0.2889



0.0000, 0.0000, 0.0000



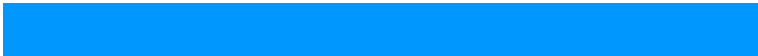
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.2450, 0.1862, 0.1900



29.8009, 0.1858, 0.1887



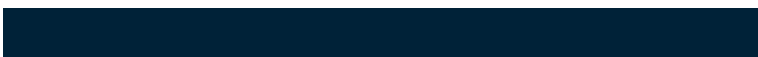
7.0075, 0.1518, 0.0661



16.7997, 0.2980, 0.3193



14.5345, 0.1866, 0.1916



1.4035, 0.1921, 0.2115

Inverse Universe

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



20.5724, 0.4567, 0.2292



23.5396, 0.4583, 0.2298



67.7245, 0.4381, 0.4901



15.9174, 0.3200, 0.3150



11.2606, 0.4550, 0.2280



0.9564, 0.4325, 0.2156

Previews

White Background



This preview shows how the Yxy color 26.2442, 0.1862, 0.1900 looks on a white background.

Color Contrast Check

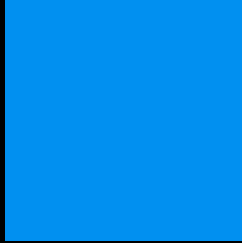
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.2442, 0.1862, 0.1900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

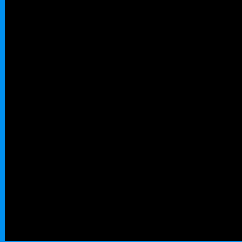
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

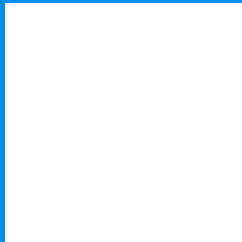
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.2442, 0.1862, 0.1900

Background



This preview shows how black text looks on a background with the Yxy color 26.2442, 0.1862, 0.1900.



This preview shows how white text looks on a background with the Yxy color 26.2442, 0.1862, 0.1900.

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

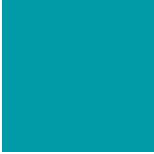
26.2442, 0.1862, 0.1900

Protanopia

26.0872, 0.2120, 0.1940

Deuteranopia

26.3304, 0.1938, 0.1875



Tritanopia

26.1959, 0.2190, 0.3084

Trichromacy



Original Color

26.2442, 0.1862, 0.1900

Protanomaly

25.5534, 0.1965, 0.1906

Deuteranomaly

26.1089, 0.1891, 0.1874

Tritanomaly

25.9899, 0.2049, 0.2571

Monochromacy



Original Color

26.2442, 0.1862, 0.1900

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

18.2962, 0.2308, 0.2617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2442, 0.1862, 0.1900 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(1, 144, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 144, 240) }
```

Border

The CSS property to change the border of an element to Yxy 26.2442, 0.1862, 0.1900 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, 240) }
```

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

```
.border{ border-color:rgb(1, 144, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 144, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 144, 240);  
box-shadow:4px 4px 4px 4px rgb(1, 144,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 26.2442, 0.1862, 0.1900 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, 240) }
```

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

```
.background{ background-color: rgb(1, 144,  
240) }
```

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