

Converting Colors

$Yxy(29.4215, 0.1866, 0.1917)$

Have a look what the booklet for
Yxy(29.4215, 0.1866, 0.1917)
contains.

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Color

Yxy(29.4215, 0.1866, 0.1917)

Conversions

Conversions Part 1

Format	Color
Hex	0098FB
RGB	0, 152, 251
RGB Percent	0%, 60%, 98%
CMY	0.9993, 0.4039, 0.0158
CMYK	1.00, 0.39, 0.00, 0.02
HSL	204°, 100%, 49%
HSV	204°, 100%, 98%
XYZ	28.6388, 29.4215, 95.4165
YIQ	117.8380, -122.3710, -1.4350

Conversions

Conversions Part 2

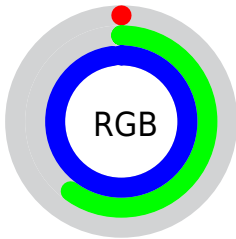
Format	Color
RYB	0, 95, 251
Decimal	39163
CIELab	61.15, 2.65, -58.37
CIElCh	61, 58.429, 272.602
Yxy	29.4215, 0.1866, 0.1917
Android (android.graphics.Color)	4278229243 (0xFF0098FB)
YUV	117.8380, 65.6489, -103.3439
Hunter-Lab	54.2416, -0.6774, -66.3281

Details

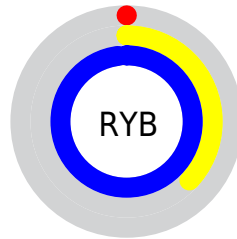
The Yxy color **29.4215, 0.1866, 0.1917** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **29.4576, 0.5742, 0.3822**, and the grayscale version is **17.9008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7421, 0.2287, 0.2682**, and **13.3978, 0.1794, 0.1659** is the 20% darker color. If you saturate the color by 10%, you get **29.3985, 0.1866, 0.1916**, and if you desaturate by 10%, it is **32.9820, 0.1924, 0.2065**.

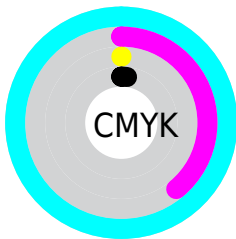
Distribution



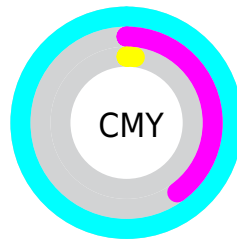
- Red (0%)
- Green (60%)
- Blue (98%)



- Red (0%)
- Yellow (37%)
- Blue (98%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (40%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4215, 0.1866, 0.1917 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 29.4215, 0.1866, 0.1917 by changing the saturation by 10% instead.


 29.4215, 0.1866,
0.1917


 29.4215, 0.1866,
0.1917


299.1985, 0.2493,
0.2594


 19.3999, 0.1719,
0.1760


 58.7461, 0.2088,
0.2156


 11.9596, 0.1539,
0.1568


 78.8179, 0.2174,
0.2248

 6.7162, 0.1316,
0.1332


 103.0086, 0.2247,
0.2327

 3.2852, 0.1040,
0.1042

 131.7025, 0.2310,
0.2395

 1.2824, 0.0708,
0.0696

 165.2840, 0.2365,
0.2455

 0.1275, 0.0194,
0.0133

204.1376, 0.2413,

 0.0000, 0.0000,

0.2507

0.0000

248.6477, 0.2455,
0.2553

■ 29.4215, 0.1866,
0.1917

■ 29.4215, 0.1866,
0.1917

■ 29.3985, 0.1866,
0.1916

■ 32.9820, 0.1924,
0.2065

■ 37.0849, 0.2001,
0.2218

■ 41.8184, 0.2101,
0.2373

■ 47.2385, 0.2220,
0.2527

■ 53.3925, 0.2355,
0.2677

■ 60.3226, 0.2502,
0.2820

■ 68.0670, 0.2657,
0.2954

■ 76.6607, 0.2815,
0.3077

■ 86.1366, 0.2973,
0.3189

Harmonies

Analogous

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



29.4215, 0.1583, 0.2145



29.4215, 0.1866, 0.1917



29.4215, 0.2470, 0.1981

Triad

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



29.4215, 0.1866, 0.1917



29.4215, 0.4921, 0.3422



29.4215, 0.2690, 0.4707

Complementary

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



29.4215, 0.1866, 0.1917



29.4576, 0.5742, 0.3822

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.



29.4215, 0.3567, 0.5057



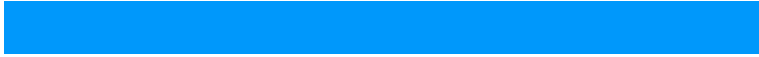
29.4215, 0.1866, 0.1917



29.4215, 0.4904, 0.4086

Square

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



29.4215, 0.1866, 0.1917



29.4215, 0.4326, 0.2802



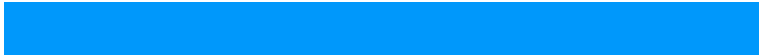
29.4215, 0.4376, 0.4716



29.4215, 0.1982, 0.3720

Rectangle

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



29.4215, 0.1866, 0.1917



29.4215, 0.3045, 0.2164



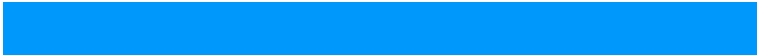
29.4215, 0.4376, 0.4716



29.4215, 0.2976, 0.4915

Sweetspot

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



29.4224, 0.1866, 0.1917



70.4924, 0.2655, 0.2952



69.8315, 0.2836, 0.5407



14.3412, 0.2589, 0.2897



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.



29.4224, 0.1866, 0.1917



30.4532, 0.1865, 0.1915



7.8650, 0.1519, 0.0669



18.3916, 0.2980, 0.3194



15.7484, 0.1872, 0.1940



1.6652, 0.1922, 0.2118

Inverse Universe

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



22.7759, 0.4548, 0.2279



23.6054, 0.4550, 0.2280



72.5977, 0.4419, 0.4873



17.4017, 0.3199, 0.3147



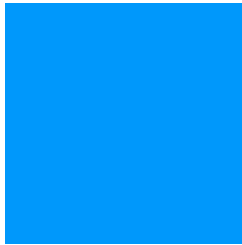
12.0007, 0.4521, 0.2264



1.1323, 0.4321, 0.2154

Previews

White Background



This preview shows how the Yxy color 29.4215, 0.1866, 0.1917 looks on a white background.

Color Contrast Check

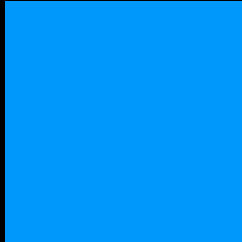
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4215, 0.1866, 0.1917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

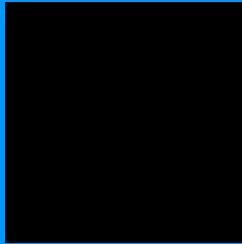
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

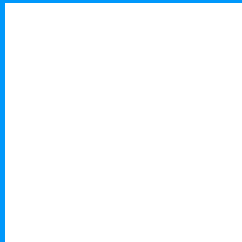
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.4215, 0.1866, 0.1917

Background



This preview shows how black text looks on a background with the Yxy color 29.4215, 0.1866, 0.1917.



This preview shows how white text looks on a background with the Yxy color 29.4215, 0.1866, 0.1917.

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

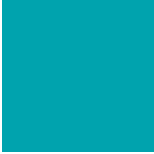
29.4215, 0.1866, 0.1917

Protanopia

29.1802, 0.2131, 0.1947

Deuteranopia

29.4014, 0.1953, 0.1884



Tritanopia

29.2504, 0.2192, 0.3093

Trichromacy



Original Color

29.4215, 0.1866, 0.1917

Protanomaly

28.4405, 0.1968, 0.1910

Deuteranomaly

29.0368, 0.1897, 0.1879

Tritanomaly

29.0605, 0.2052, 0.2586

Monochromacy



Original Color

29.4215, 0.1866, 0.1917

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

20.2143, 0.2307, 0.2624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4215, 0.1866, 0.1917 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, 152, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 251)  
}
```

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, 152, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 251) }
```

Border

The CSS property to change the border of an element to Yxy 29.4215, 0.1866, 0.1917 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, 152, 251) }
```

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

```
.border{ border-color:rgb(0, 152, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4215, 0.1866, 0.1917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 251) }
```

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

```
.background{ background-color: rgb(0, 152,  
251) }
```

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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