

Converting Colors

$Y_{xy}(28.2746, 0.1881, 0.1970)$

Have a look what the booklet for
Yxy(28.2746, 0.1881, 0.1970)
contains.

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Color

Yxy(28.2300, 0.1882, 0.1971)

Conversions

Conversions Part 1

Format	Color
Hex	0296F2
RGB	2, 150, 242
RGB Percent	1%, 59%, 95%
CMY	0.9924, 0.4118, 0.0509
CMYK	0.99, 0.38, 0.00, 0.05
HSL	203°, 98%, 48%
HSV	203°, 99%, 95%
XYZ	26.9553, 28.2300, 88.0415
YIQ	116.2360, -117.7400, -2.7640

Conversions

Conversions Part 2

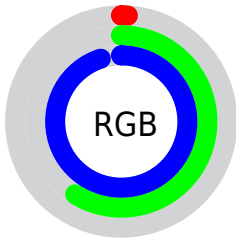
Format	Color
RYB	2, 94, 242
Decimal	169714
CIELab	60.10, 0.50, -55.13
CIELCh	60, 55.128, 270.522
Yxy	28.2300, 0.1882, 0.1971
Android (android.graphics.Color)	4278359794 (0xFF0296F2)
YUV	116.2360, 62.0017, -100.1850
Hunter-Lab	53.1319, -2.4229, -61.0533

Details

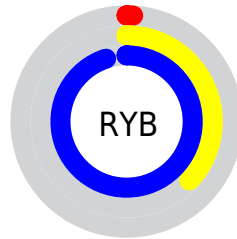
The Yxy color **28.2300, 0.1882, 0.1971** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **26.8823, 0.5754, 0.3807**, and the grayscale version is **17.3650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6569, 0.2273, 0.2654**, and **12.6171, 0.1810, 0.1715** is the 20% darker color. If you saturate the color by 10%, you get **27.9828, 0.1878, 0.1960**, and if you desaturate by 10%, it is **31.5183, 0.1940, 0.2115**.

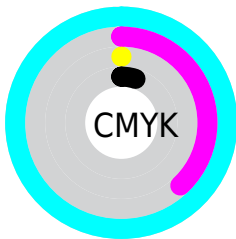
Distribution



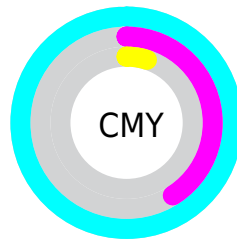
- Red (1%)
- Green (59%)
- Blue (95%)



- Red (1%)
- Yellow (37%)
- Blue (95%)



- Cyan (99%)
- Magenta (38%)
- Yellow (0%)
- Black (5%)





- Cyan (99%)
- Magenta (41%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2300, 0.1882, 0.1971 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 28.2300, 0.1882, 0.1971 by changing the saturation by 10% instead.


 28.2300, 0.1882,
0.1971


 28.2300, 0.1882,
0.1971


293.5643, 0.2507,
0.2632


 18.4991, 0.1733,
0.1814


 56.8514, 0.2105,
0.2207


 11.3089, 0.1550,
0.1621


 76.5108, 0.2191,
0.2297


 6.2750, 0.1321,
0.1380


 100.2484, 0.2263,
0.2374

 3.0130, 0.1036,
0.1080

 128.4487, 0.2326,
0.2440

 1.1385, 0.0690,
0.0716

 161.4960, 0.2380,
0.2498

 0.0106, 0.0029,
0.0014

199.7748, 0.2428,

 0.0000, 0.0000,

0.2548

0.0000

243.6694, 0.2470,
0.2593

■ 28.2300, 0.1882,
0.1971

■ 28.2300, 0.1882,
0.1971

■ 27.9828, 0.1878,
0.1960

■ 31.5183, 0.1940,
0.2115

■ 35.3017, 0.2018,
0.2264

■ 39.6551, 0.2117,
0.2414

■ 44.6282, 0.2236,
0.2563

■ 50.2636, 0.2370,
0.2707

■ 56.5989, 0.2517,
0.2845

■ 63.6685, 0.2670,
0.2973

■ 71.5039, 0.2827,
0.3092

■ 80.1345, 0.2985,
0.3200

Harmonies

Analogous

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



28.2300, 0.1627, 0.2218



28.2300, 0.1882, 0.1971



28.2300, 0.2447, 0.2014

Triad

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



28.2300, 0.1882, 0.1971



28.2300, 0.4824, 0.3383



28.2300, 0.2770, 0.4684

Complementary

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



28.2300, 0.1882, 0.1971



26.8823, 0.5754, 0.3807

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.



28.2300, 0.3618, 0.4975



28.2300, 0.1882, 0.1971



28.2300, 0.4856, 0.4026

Square

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



28.2300, 0.1882, 0.1971



28.2300, 0.4218, 0.2785



28.2300, 0.4383, 0.4633



28.2300, 0.2066, 0.3775

Rectangle

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



28.2300, 0.1882, 0.1971



28.2300, 0.2988, 0.2181



28.2300, 0.4383, 0.4633



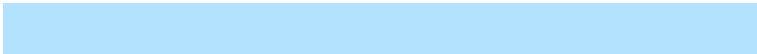
28.2300, 0.3048, 0.4866

Sweetspot

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



28.2309, 0.1882, 0.1971



70.9604, 0.2656, 0.2962



64.2614, 0.2845, 0.5438



14.4527, 0.2591, 0.2909



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.



28.2309, 0.1882, 0.1971



31.4188, 0.1877, 0.1956



7.5648, 0.1528, 0.0695



16.8520, 0.2980, 0.3197



15.3034, 0.1884, 0.1983



1.4649, 0.1937, 0.2174

Inverse Universe

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



21.1227, 0.4485, 0.2248



23.7029, 0.4503, 0.2254



64.9775, 0.4450, 0.4845



15.9227, 0.3197, 0.3145



11.3382, 0.4472, 0.2237



0.9626, 0.4260, 0.2121

Previews

White Background



This preview shows how the Yxy color 28.2300, 0.1882, 0.1971 looks on a white background.

Color Contrast Check

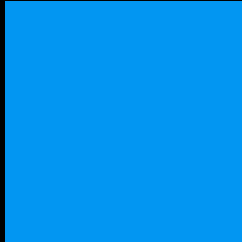
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2300, 0.1882, 0.1971 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

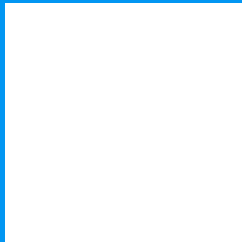
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.2300, 0.1882, 0.1971

Background



This preview shows how black text looks on a background with the Yxy color 28.2300, 0.1882, 0.1971.



This preview shows how white text looks on a background with the Yxy color 28.2300, 0.1882, 0.1971.

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

28.2364, 0.1882, 0.1971

Protanopia

28.1161, 0.2171, 0.2005

Deuteranopia

28.1777, 0.1995, 0.1930



Tritanopia

28.0819, 0.2192, 0.3089

Trichromacy



Original Color

28.2364, 0.1882, 0.1971

Protanomaly

27.3262, 0.1994, 0.1966

Deuteranomaly

27.9669, 0.1926, 0.1935

Tritanomaly

27.8146, 0.2057, 0.2604

Monochromacy



Original Color

28.2364, 0.1882, 0.1971

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

19.5428, 0.2325, 0.2650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2300, 0.1882, 0.1971 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(2, 150, 242)` looks like.

```
.text, #text, p{  
    color:rgb(2, 150, 242)  
}
```

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(2, 150, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 150, 242) }
```

Border

The CSS property to change the border of an element to Yxy 28.2300, 0.1882, 0.1971 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(2, 150, 242) }
```

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

```
.border{ border-color:rgb(2, 150, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 150, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 150, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 150, 242);  
box-shadow:4px 4px 4px 4px rgb(2, 150,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2300, 0.1882, 0.1971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 150, 242) }
```

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

```
.background{ background-color: rgb(2, 150,  
242) }
```

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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