

Converting Colors

$Yxy(28.0419, 0.1888, 0.1996)$

Have a look what the booklet for
Yxy(28.0419, 0.1888, 0.1996)
contains.

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Color

Yxy(28.0447, 0.1889, 0.2000)

Conversions

Conversions Part 1

Format	Color
Hex	0096EF
RGB	0, 150, 239
RGB Percent	0%, 59%, 94%
CMY	0.9997, 0.4118, 0.0627
CMYK	1.00, 0.37, 0.00, 0.06
HSL	202°, 100%, 47%
HSV	202°, 100%, 94%
XYZ	26.4882, 28.0447, 85.6906
YIQ	115.2960, -117.9690, -4.1210

Conversions

Conversions Part 2

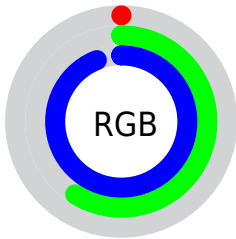
Format	Color
R _{YB}	0, 92, 239
Decimal	38639
CIE _{Lab}	59.93, -0.69, -53.74
CIE _{LCh}	60, 53.744, 269.268
Y _{xy}	28.0447, 0.1889, 0.2000
Android (android.graphics.Color)	4278228719 (0xFF0096EF)
Y _{UV}	115.2960, 60.9861, -101.1146
Hunter-Lab	52.9572, -3.3928, -58.8676

Details

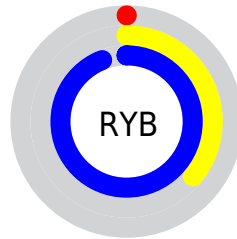
The Yxy color **28.0447, 0.1889, 0.2000** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **25.5130, 0.5800, 0.3777**, and the grayscale version is **17.0840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5939, 0.2269, 0.2654**, and **12.4917, 0.1819, 0.1748** is the 20% darker color. If you saturate the color by 10%, you get **28.0369, 0.1889, 0.2000**, and if you desaturate by 10%, it is **31.1896, 0.1945, 0.2140**.

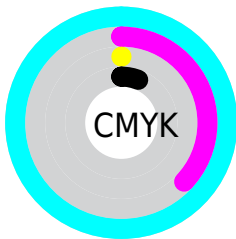
Distribution



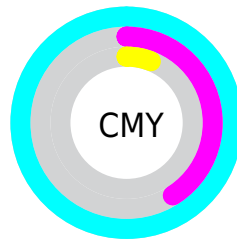
- Red (0%)
- Green (59%)
- Blue (94%)



- Red (0%)
- Yellow (36%)
- Blue (94%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (6%)




- Cyan (100%)
- Magenta (41%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0447, 0.1889, 0.2000 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 28.0447, 0.1889, 0.2000 by changing the saturation by 10% instead.

 28.0447, 0.1889,
0.2000


 28.0447, 0.1889,
0.2000


292.6804, 0.2512,
0.2651


 18.3594, 0.1740,
0.1844


 56.5558, 0.2112,
0.2233

 11.2083, 0.1556,
0.1652


 76.1503, 0.2197,
0.2322

 6.2071, 0.1327,
0.1410

 99.8168, 0.2269,
0.2398

 2.9714, 0.1039,
0.1107

 127.9394, 0.2332,
0.2463

 1.1168, 0.0688,
0.0737

 160.9027, 0.2386,
0.2519

 0.0000, 0.0000,
0.0000

199.0911, 0.2433,

0.2568

242.8888, 0.2475,
0.2612

■ 28.0447, 0.1889,
0.2000

■ 28.0447, 0.1889,
0.2000

■ 28.0369, 0.1889,
0.2000

■ 31.1896, 0.1945,
0.2140

■ 34.7923, 0.2020,
0.2284

■ 38.9324, 0.2116,
0.2430

■ 43.6583, 0.2232,
0.2574

■ 49.0114, 0.2363,
0.2714

■ 55.0281, 0.2507,
0.2848

■ 61.7415, 0.2660,
0.2973

■ 69.1821, 0.2816,
0.3089

■ 77.3782, 0.2973,
0.3195

Harmonies

Analogous

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



28.0447, 0.1651, 0.2259



28.0447, 0.1889, 0.2000



28.0447, 0.2433, 0.2030

Triad

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



28.0447, 0.1889, 0.2000



28.0447, 0.4772, 0.3360



28.0447, 0.2814, 0.4674

Complementary

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



28.0447, 0.1889, 0.2000



25.5130, 0.5800, 0.3777

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.



28.0447, 0.3647, 0.4932



28.0447, 0.1889, 0.2000



28.0447, 0.4831, 0.3991

Square

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



28.0447, 0.1889, 0.2000



28.0447, 0.4159, 0.2773



28.0447, 0.4388, 0.4588



28.0447, 0.2113, 0.3807

Rectangle

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



28.0447, 0.1889, 0.2000



28.0447, 0.2957, 0.2188



28.0447, 0.4388, 0.4588



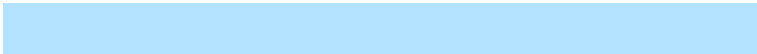
28.0447, 0.3089, 0.4842

Sweetspot

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



28.0456, 0.1889, 0.2000



71.4096, 0.2657, 0.2972



62.4424, 0.2847, 0.5451



14.5598, 0.2592, 0.2920



0.0000, 0.0000, 0.0000



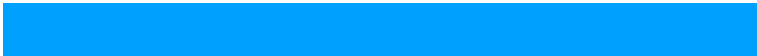
21.4041, 0.3127, 0.3290

Same Dimension

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



28.0456, 0.1889, 0.2000



32.3622, 0.1888, 0.1995



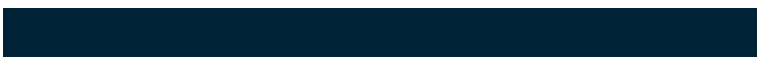
7.2626, 0.1525, 0.0688



16.8816, 0.2980, 0.3200



15.7513, 0.1895, 0.2022



1.5004, 0.1947, 0.2207

Inverse Universe

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



20.5570, 0.4453, 0.2227



23.7981, 0.4459, 0.2230



63.0554, 0.4454, 0.4846



15.9257, 0.3195, 0.3143



11.3835, 0.4428, 0.2213



0.9662, 0.4225, 0.2101

Previews

White Background



This preview shows how the Yxy color 28.0447, 0.1889, 0.2000 looks on a white background.

Color Contrast Check

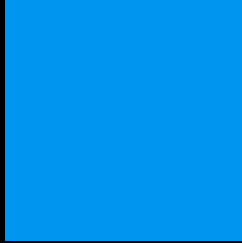
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0447, 0.1889, 0.2000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

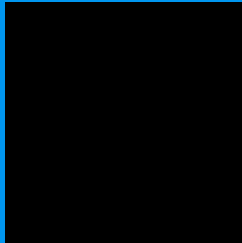
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

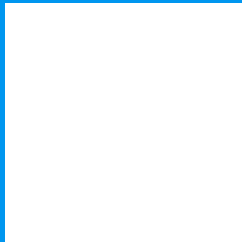
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.0447, 0.1889, 0.2000

Background



This preview shows how black text looks on a background with the Yxy color 28.0447, 0.1889, 0.2000.

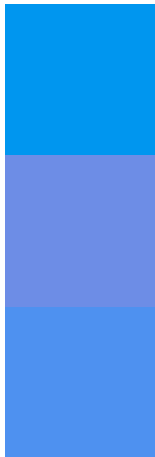


This preview shows how white text looks on a background with the Yxy color 28.0447, 0.1889, 0.2000.

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

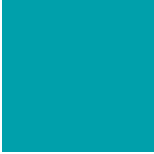
28.0447, 0.1889, 0.2000

Protanopia

28.0141, 0.2201, 0.2048

Deuteranopia

28.1618, 0.2021, 0.1962



Tritanopia

28.0819, 0.2192, 0.3089

Trichromacy



Original Color

28.0447, 0.1889, 0.2000

Protanomaly

27.0949, 0.2008, 0.2005

Deuteranomaly

27.8368, 0.1939, 0.1965

Tritanomaly

27.7625, 0.2061, 0.2618

Monochromacy



Original Color

28.0447, 0.1889, 0.2000

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

19.3929, 0.2325, 0.2682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0447, 0.1889, 0.2000 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, 150, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 239)  
}
```

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, 150, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 239) }
```

Border

The CSS property to change the border of an element to Yxy 28.0447, 0.1889, 0.2000 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, 150, 239) }
```

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

```
.border{ border-color:rgb(0, 150, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0447, 0.1889, 0.2000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 239) }
```

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

```
.background{ background-color: rgb(0, 150,  
239) }
```

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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