

Converting Colors

$Y_{xy}(28.0249, 0.1886, 0.1990)$

Have a look what the booklet for
Yxy(28.0249, 0.1886, 0.1990)
contains.

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Color

Yxy(28.1040, 0.1886, 0.1990)

Conversions

Conversions Part 1

Format	Color
Hex	0096F0
RGB	0, 150, 240
RGB Percent	0%, 59%, 94%
CMY	1.0000, 0.4118, 0.0587
CMYK	1.00, 0.38, 0.00, 0.06
HSL	203°, 100%, 47%
HSV	203°, 100%, 94%
XYZ	26.6352, 28.1040, 86.4869
YIQ	115.4100, -118.2900, -3.8100

Conversions

Conversions Part 2

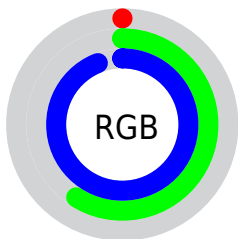
Format	Color
R _{YB}	0, 92, 240
Decimal	38640
CIE _{Lab}	59.98, -0.31, -54.22
CIE _{LCh}	60, 54.219, 269.668
Y _{xy}	28.1040, 0.1886, 0.1990
Android (android.graphics.Color)	4278228720 (0xFF0096F0)
YUV	115.4100, 61.4229, -101.2146
Hunter-Lab	53.0132, -3.0900, -59.6177

Details

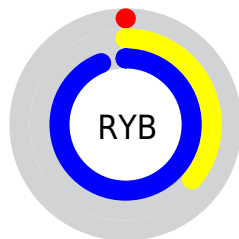
The Yxy color **28.1040, 0.1886, 0.1990** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **25.8498, 0.5794, 0.3782**, and the grayscale version is **17.1140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5939, 0.2269, 0.2654**, and **12.5332, 0.1816, 0.1737** is the 20% darker color. If you saturate the color by 10%, you get **28.1069, 0.1886, 0.1990**, and if you desaturate by 10%, it is **31.2860, 0.1942, 0.2131**.

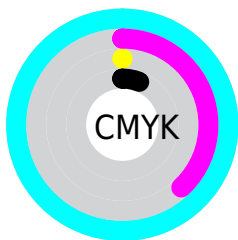
Distribution



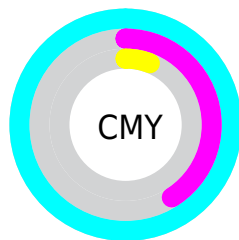
- Red (0%)
- Green (59%)
- Blue (94%)



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



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (6%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1040, 0.1886, 0.1990 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 28.1040, 0.1886, 0.1990 by changing the saturation by 10% instead.

■ 28.1040, 0.1886,
0.1990

■ 28.1040, 0.1886,
0.1990

■ 292.9635, 0.2510,
0.2644

■ 18.4041, 0.1737,
0.1834

■ 56.6504, 0.2109,
0.2224

■ 11.2405, 0.1554,
0.1641

■ 76.2657, 0.2194,
0.2313

■ 6.2288, 0.1324,
0.1400

■ 99.9550, 0.2267,
0.2389

■ 2.9847, 0.1037,
0.1098

■ 128.1025, 0.2329,
0.2455

■ 1.1238, 0.0688,
0.0730

■ 161.0927, 0.2383,
0.2512

■ 0.0000, 0.0000,
0.0000

199.3100, 0.2431,

0.2561

243.1388, 0.2473,
0.2605

■ 28.1040, 0.1886,
0.1990

■ 28.1040, 0.1886,
0.1990

■ 28.1069, 0.1886,
0.1990

■ 31.2860, 0.1942,
0.2131

■ 34.9307, 0.2017,
0.2276

■ 39.1209, 0.2114,
0.2423

■ 43.9057, 0.2230,
0.2568

■ 49.3268, 0.2362,
0.2710

■ 55.4214, 0.2506,
0.2844

■ 62.2229, 0.2659,
0.2971

■ 69.7622, 0.2815,
0.3088

■ 78.0679, 0.2972,
0.3194

Harmonies

Analogous

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



28.1040, 0.1642, 0.2245



28.1040, 0.1886, 0.1990



28.1040, 0.2437, 0.2024

Triad

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



28.1040, 0.1886, 0.1990



28.1040, 0.4790, 0.3367



28.1040, 0.2800, 0.4679

Complementary

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



28.1040, 0.1886, 0.1990



25.8498, 0.5794, 0.3782

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.



28.1040, 0.3638, 0.4947



28.1040, 0.1886, 0.1990



28.1040, 0.4840, 0.4002

Square

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



28.1040, 0.1886, 0.1990



28.1040, 0.4179, 0.2777



28.1040, 0.4388, 0.4603



28.1040, 0.2097, 0.3798

Rectangle

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



28.1040, 0.1886, 0.1990



28.1040, 0.2966, 0.2185



28.1040, 0.4388, 0.4603



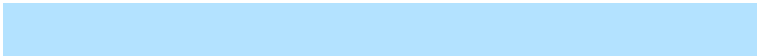
28.1040, 0.3076, 0.4851

Sweetspot

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



28.1069, 0.1886, 0.1990



71.3035, 0.2657, 0.2970



63.0466, 0.2848, 0.5452



14.5345, 0.2592, 0.2917



0.0000, 0.0000, 0.0000



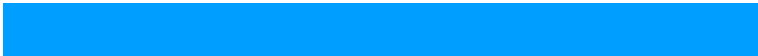
21.4041, 0.3127, 0.3290

Same Dimension

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



28.1069, 0.1886, 0.1990



32.1379, 0.1885, 0.1986



7.3267, 0.1524, 0.0687



16.8746, 0.2980, 0.3199



15.6449, 0.1893, 0.2013



1.4920, 0.1944, 0.2199

Inverse Universe

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



20.7338, 0.4464, 0.2233



23.7755, 0.4469, 0.2236



63.6590, 0.4454, 0.4846



15.9250, 0.3195, 0.3143



11.3727, 0.4438, 0.2219



0.9653, 0.4233, 0.2106

Previews

White Background



This preview shows how the Yxy color 28.1040, 0.1886, 0.1990 looks on a white background.

Color Contrast Check

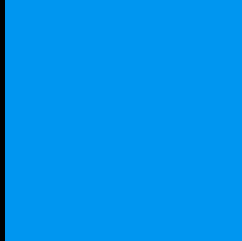
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1040, 0.1886, 0.1990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

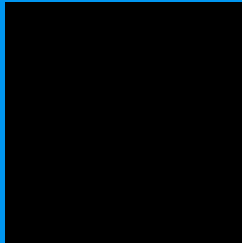
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

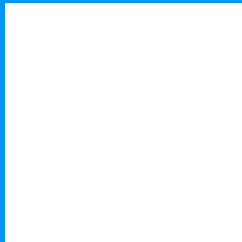
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.1040, 0.1886, 0.1990

Background



This preview shows how black text looks on a background with the Yxy color 28.1040, 0.1886, 0.1990.



This preview shows how white text looks on a background with the Yxy color 28.1040, 0.1886, 0.1990.

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

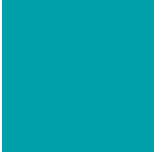
28.1040, 0.1886, 0.1990

Protanopia

28.0074, 0.2191, 0.2036

Deuteranopia

28.1382, 0.2009, 0.1951



Tritanopia

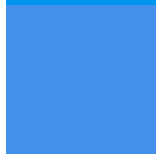
28.0819, 0.2192, 0.3089

Trichromacy



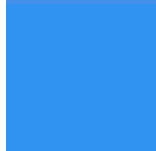
Original Color

28.1040, 0.1886, 0.1990



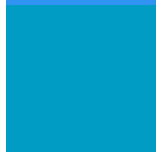
Protanomaly

27.1522, 0.2005, 0.1995



Deuteranomaly

27.8467, 0.1932, 0.1954



Tritanomaly

27.7625, 0.2061, 0.2618

Monochromacy



Original Color

28.1040, 0.1886, 0.1990



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 28.1040, 0.1886, 0.1990 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 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(0, 150, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 240) }
```

Border

The CSS property to change the border of an element to Yxy 28.1040, 0.1886, 0.1990 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, 240) }
```

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

```
.border{ border-color:rgb(0, 150, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1040, 0.1886, 0.1990 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, 240) }
```

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

```
.background{ background-color: rgb(0, 150,  
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](#).

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