

Converting Colors

$Yxy(28.9010, 0.1907, 0.2064)$

Have a look what the booklet for
Yxy(28.9010, 0.1907, 0.2064)
contains.

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Color

Yxy(28.8969, 0.1907, 0.2066)

Conversions

Conversions Part 1

Format	Color
Hex	0099ED
RGB	0, 153, 237
RGB Percent	0%, 60%, 93%
CMY	1.0000, 0.4000, 0.0706
CMYK	1.00, 0.35, 0.00, 0.07
HSL	201°, 100%, 46%
HSV	201°, 100%, 93%
XYZ	26.6730, 28.8969, 84.2989
YIQ	116.8290, -118.1520, -6.3120

Conversions

Conversions Part 2

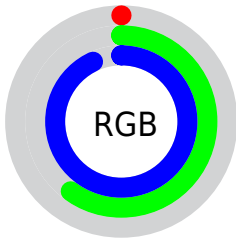
Format	Color
R _{YB}	0, 93, 237
Decimal	39405
CIE Lab	60.69, -3.21, -51.42
CIE LCh	61, 51.522, 266.427
Yxy	28.8969, 0.1907, 0.2066
Android (android.graphics.Color)	4278229485 (0xFF0099ED)
YUV	116.8290, 59.2443, -102.4590
Hunter-Lab	53.7558, -5.5032, -55.3484

Details

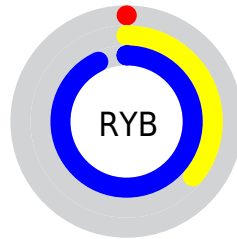
The Yxy color **28.8969, 0.1907, 0.2066** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **24.3464, 0.5849, 0.3738**, and the grayscale version is **17.5770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0338, 0.2278, 0.2693**, and **13.0367, 0.1838, 0.1817** is the 20% darker color. If you saturate the color by 10%, you get **28.9011, 0.1907, 0.2066**, and if you desaturate by 10%, it is **31.9391, 0.1961, 0.2200**.

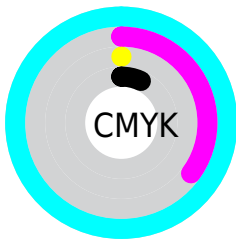
Distribution



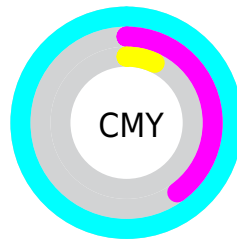
- Red (0%)
- Green (60%)
- Blue (93%)



- Red (0%)
- Yellow (36%)
- Blue (93%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (40%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8969, 0.1907, 0.2066 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 28.8969, 0.1907, 0.2066 by changing the saturation by 10% instead.


 28.8969, 0.1907,
0.2066


 28.8969, 0.1907,
0.2066


296.7282, 0.2520,
0.2687


 19.0028, 0.1761,
0.1916


 57.9132, 0.2126,
0.2289

 11.6723, 0.1579,
0.1729


 77.8043, 0.2210,
0.2374


 6.5210, 0.1352,
0.1493


 101.7965, 0.2281,
0.2446

 3.1644, 0.1066,
0.1193

 130.2742, 0.2342,
0.2508

 1.2181, 0.0715,
0.0819

 163.6219, 0.2395,
0.2562

 0.0764, 0.0000,
0.0108

202.2238, 0.2442,

 0.0000, 0.0000,

0.2609

0.0000

246.4644, 0.2483,
0.2650

■ 28.8969, 0.1907,
0.2066

■ 28.8969, 0.1907,
0.2066

■ 28.9011, 0.1907,
0.2066

■ 31.9391, 0.1961,
0.2200

■ 35.4074, 0.2033,
0.2336

■ 39.3831, 0.2127,
0.2474

■ 43.9129, 0.2240,
0.2611

■ 49.0367, 0.2369,
0.2743

■ 54.7897, 0.2511,
0.2870

■ 61.2037, 0.2661,
0.2989

■ 68.3080, 0.2816,
0.3099

■ 76.1299, 0.2972,
0.3199

Harmonies

Analogous

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



28.8969, 0.1704, 0.2350



28.8969, 0.1907, 0.2066



28.8969, 0.2404, 0.2068

Triad

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



28.8969, 0.1907, 0.2066



28.8969, 0.4655, 0.3310



28.8969, 0.2910, 0.4647

Complementary

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



28.8969, 0.1907, 0.2066



24.3464, 0.5849, 0.3738

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.



28.8969, 0.3707, 0.4839



28.8969, 0.1907, 0.2066



28.8969, 0.4770, 0.3916

Square

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



28.8969, 0.1907, 0.2066



28.8969, 0.4033, 0.2750



28.8969, 0.4394, 0.4490



28.8969, 0.2215, 0.3870

Rectangle

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



28.8969, 0.1907, 0.2066



28.8969, 0.2890, 0.2206



28.8969, 0.4394, 0.4490



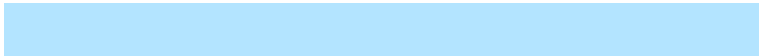
28.8969, 0.3175, 0.4786

Sweetspot

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



28.9011, 0.1907, 0.2066



72.1693, 0.2659, 0.2988



61.1975, 0.2860, 0.5496



14.7411, 0.2595, 0.2938



0.0000, 0.0000, 0.0000



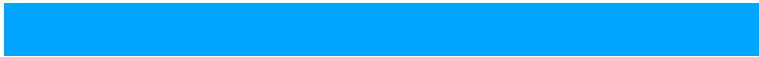
21.4041, 0.3127, 0.3290

Same Dimension

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



28.9011, 0.1907, 0.2066



33.9955, 0.1906, 0.2061



7.3497, 0.1530, 0.0707



16.1715, 0.2981, 0.3205



16.0339, 0.1913, 0.2088



1.4391, 0.1965, 0.2273

Inverse Universe

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



20.3064, 0.4379, 0.2186



23.9630, 0.4384, 0.2189



59.9931, 0.4490, 0.4817



15.2179, 0.3192, 0.3139



11.1114, 0.4354, 0.2172



0.8907, 0.4154, 0.2062

Previews

White Background



This preview shows how the Yxy color 28.8969, 0.1907, 0.2066 looks on a white background.

Color Contrast Check

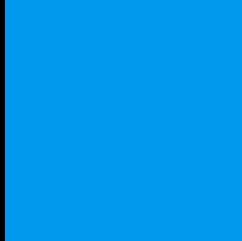
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8969, 0.1907, 0.2066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

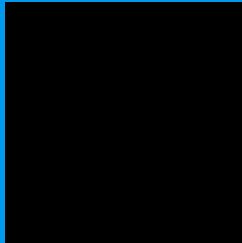
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

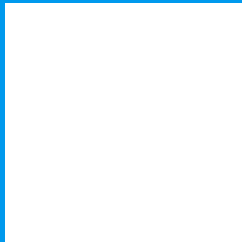
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.8969, 0.1907, 0.2066

Background



This preview shows how black text looks on a background with the Yxy color 28.8969, 0.1907, 0.2066.



This preview shows how white text looks on a background with the Yxy color 28.8969, 0.1907, 0.2066.

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

28.8969, 0.1907, 0.2066

Protanopia

28.8238, 0.2247, 0.2105

Deuteranopia

28.8160, 0.2065, 0.1998

Trichromacy



Original Color

28.8969, 0.1907, 0.2066

Protanomaly

28.0534, 0.2042, 0.2075

Deuteranomaly

28.4802, 0.1966, 0.2018

Monochromacy



Original Color

28.8969, 0.1907, 0.2066

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.9943, 0.2333, 0.2705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8969, 0.1907, 0.2066 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, 153, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 237)  
}
```

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, 153, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 237) }
```

Border

The CSS property to change the border of an element to Yxy 28.8969, 0.1907, 0.2066 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, 153, 237) }
```

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

```
.border{ border-color:rgb(0, 153, 237) }
```

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

Here you see how a box with a 4 pixel rgb(0, 153, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
237) }
```

Background

The CSS property to change the background color of an element to Yxy 28.8969, 0.1907, 0.2066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 237) }
```

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

```
.background{ background-color: rgb(0, 153,  
237) }
```

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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