

Converting Colors

$Yxy(27.2727, 0.1748, 0.1853)$

Have a look what the booklet for
Yxy(27.2727, 0.1748, 0.1853)
contains.

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Color

Yxy(28.3970, 0.1856, 0.1882)

Conversions

Conversions Part 1

Format	Color
Hex	0095FA
RGB	0, 149, 250
RGB Percent	0%, 58%, 98%
CMY	1.0000, 0.4157, 0.0194
CMYK	1.00, 0.40, 0.00, 0.02
HSL	204°, 100%, 49%
HSV	204°, 100%, 98%
XYZ	28.0047, 28.3970, 94.4857
YIQ	115.9630, -121.2250, -0.1770

Conversions

Conversions Part 2

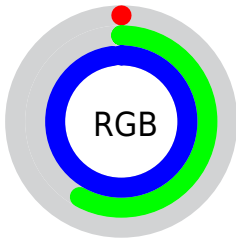
Format	Color
R _{YB}	0, 93, 250
Decimal	38394
CIE _{Lab}	60.25, 4.07, -59.31
CIE _{LCh}	60, 59.446, 273.922
Yxy	28.3970, 0.1856, 0.1882
Android (android.graphics.Color)	4278228474 (0xFF0095FA)
YUV	115.9630, 66.0802, -101.6996
Hunter-Lab	53.2888, 0.5510, -67.8241

Details

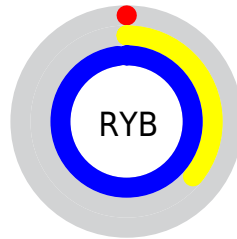
The Yxy color **28.3970, 0.1856, 0.1882** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **29.6491, 0.5716, 0.3843**, and the grayscale version is **17.2769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3114, 0.2278, 0.2642**, and **12.7739, 0.1782, 0.1616** is the 20% darker color. If you saturate the color by 10%, you get **28.4001, 0.1856, 0.1882**, and if you desaturate by 10%, it is **31.9442, 0.1915, 0.2034**.

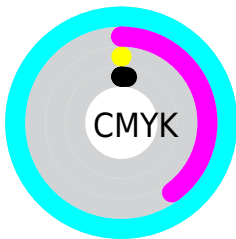
Distribution



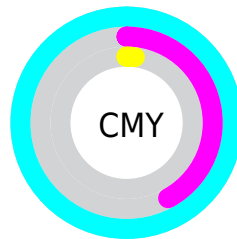
- Red (0%)
- Green (58%)
- Blue (98%)



- Red (0%)
- Yellow (36%)
- Blue (98%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (42%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3970, 0.1856, 0.1882 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 28.3970, 0.1856, 0.1882 by changing the saturation by 10% instead.

 28.3970, 0.1856,
0.1882


 28.3970, 0.1856,
0.1882


294.3591, 0.2491,
0.2577


 18.6251, 0.1707,
0.1721


 57.1176, 0.2081,
0.2127


 11.3997, 0.1524,
0.1525


 76.8352, 0.2168,
0.2221

 6.3364, 0.1297,
0.1285


 100.6368, 0.2242,
0.2302

 3.0507, 0.1018,
0.0991

 128.9069, 0.2306,
0.2372

 1.1582, 0.0682,
0.0646

 162.0297, 0.2361,
0.2433

 0.0272, 0.0136,
0.0030

200.3898, 0.2410,

 0.0000, 0.0000,

0.2487

0.0000

244.3714, 0.2453,
0.2534

■ 28.3970, 0.1856,
0.1882

■ 28.3970, 0.1856,
0.1882

■ 28.4001, 0.1856,
0.1882

■ 31.9442, 0.1915,
0.2034

■ 36.0374, 0.1994,
0.2190

■ 40.7678, 0.2094,
0.2349

■ 46.1912, 0.2215,
0.2507

■ 52.3551, 0.2351,
0.2661

■ 59.3017, 0.2499,
0.2807

■ 67.0692, 0.2655,
0.2944

■ 75.6929, 0.2813,
0.3071

■ 85.2057, 0.2972,
0.3186

Harmonies

Analogous

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



28.3970, 0.1554, 0.2097



28.3970, 0.1856, 0.1882



28.3970, 0.2487, 0.1961

Triad

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



28.3970, 0.1856, 0.1882



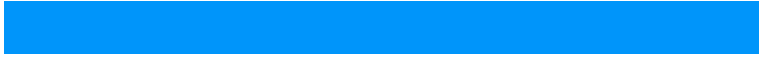
28.3970, 0.4984, 0.3447



28.3970, 0.2636, 0.4721

Complementary

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



28.3970, 0.1856, 0.1882



29.6491, 0.5716, 0.3843

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.



28.3970, 0.3531, 0.5112



28.3970, 0.1856, 0.1882



28.3970, 0.4933, 0.4126

Square

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



28.3970, 0.1856, 0.1882



28.3970, 0.4399, 0.2813



28.3970, 0.4369, 0.4772



28.3970, 0.1926, 0.3682

Rectangle

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



28.3970, 0.1856, 0.1882



28.3970, 0.3083, 0.2154



28.3970, 0.4369, 0.4772



28.3970, 0.2926, 0.4946

Sweetspot

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



28.4001, 0.1856, 0.1882



70.1015, 0.2654, 0.2944



69.3209, 0.2822, 0.5360



14.2482, 0.2588, 0.2887



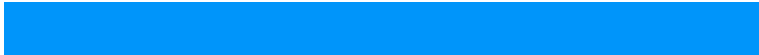
0.0000, 0.0000, 0.0000



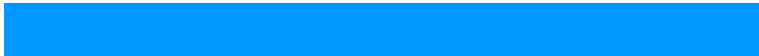
21.4041, 0.3127, 0.3290

Same Dimension

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



28.4001, 0.1856, 0.1882



29.6608, 0.1856, 0.1881



7.6005, 0.1515, 0.0654



18.3631, 0.2980, 0.3192



15.3477, 0.1863, 0.1907



1.6294, 0.1914, 0.2089

Inverse Universe

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



22.5026, 0.4588, 0.2301



23.5254, 0.4590, 0.2302



74.2060, 0.4384, 0.4901



17.3989, 0.3200, 0.3150



11.9603, 0.4560, 0.2285



1.1287, 0.4354, 0.2172

Previews

White Background



This preview shows how the Yxy color 28.3970, 0.1856, 0.1882 looks on a white background.

Color Contrast Check

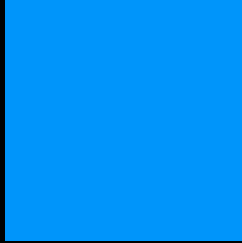
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3970, 0.1856, 0.1882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

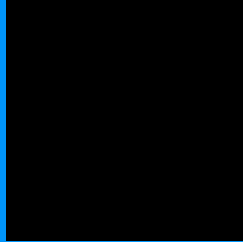
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

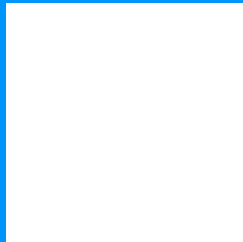
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.3970, 0.1856, 0.1882

Background



This preview shows how black text looks on a background with the Yxy color 28.3970, 0.1856, 0.1882.



This preview shows how white text looks on a background with the Yxy color 28.3970, 0.1856, 0.1882.

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

28.3970, 0.1856, 0.1882

Protanopia

28.2853, 0.2109, 0.1922

Deuteranopia

28.4223, 0.1923, 0.1857



Tritanopia

28.1202, 0.2187, 0.3072

Trichromacy



Original Color

28.3970, 0.1856, 0.1882

Protanomaly

27.6629, 0.1954, 0.1888

Deuteranomaly

28.2258, 0.1882, 0.1856

Tritanomaly

27.9471, 0.2045, 0.2561

Monochromacy



Original Color

28.3970, 0.1856, 0.1882

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

19.6108, 0.2299, 0.2600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3970, 0.1856, 0.1882 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, 149, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 250)  
}
```

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, 149, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 250) }
```

Border

The CSS property to change the border of an element to Yxy 28.3970, 0.1856, 0.1882 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, 149, 250) }
```

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

```
.border{ border-color:rgb(0, 149, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 149, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3970, 0.1856, 0.1882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 250) }
```

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

```
.background{ background-color: rgb(0, 149,  
250) }
```

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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