

Converting Colors

$Yxy(28.0344, 0.1854, 0.1873)$

Have a look what the booklet for
Yxy(28.0344, 0.1854, 0.1873)
contains.

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Color

Yxy(28.0258, 0.1855, 0.1877)

Conversions

Conversions Part 1

Format	Color
Hex	0094F9
RGB	0, 148, 249
RGB Percent	0%, 58%, 98%
CMY	0.9985, 0.4196, 0.0234
CMYK	1.00, 0.41, 0.00, 0.02
HSL	204°, 100%, 49%
HSV	204°, 100%, 98%
XYZ	27.6973, 28.0258, 93.5886
YIQ	115.2620, -120.6290, 0.0350

Conversions

Conversions Part 2

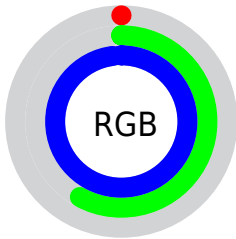
Format	Color
R _{YB}	0, 93, 249
Decimal	38137
CIE _{Lab}	59.91, 4.28, -59.28
CIE _{LCh}	60, 59.431, 274.132
Y _{xy}	28.0258, 0.1855, 0.1877
Android (android.graphics.Color)	4278228217 (0xFF0094F9)
YUV	115.2620, 65.9328, -101.0848
Hunter-Lab	52.9394, 0.7453, -67.7578

Details

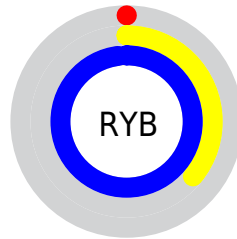
The Yxy color **28.0258, 0.1855, 0.1877** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **29.5267, 0.5707, 0.3850**, and the grayscale version is **17.0905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7761, 0.2271, 0.2629**, and **12.5411, 0.1780, 0.1608** is the 20% darker color. If you saturate the color by 10%, you get **27.9763, 0.1854, 0.1875**, and if you desaturate by 10%, it is **31.5483, 0.1914, 0.2029**.

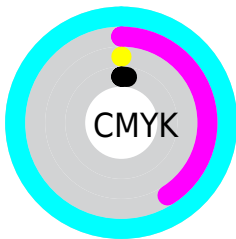
Distribution



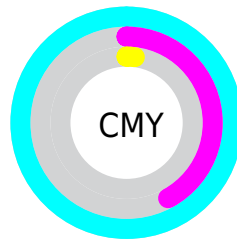
- Red (0%)
- Green (58%)
- Blue (98%)



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



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (2%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0258, 0.1855, 0.1877 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 28.0258, 0.1855, 0.1877 by changing the saturation by 10% instead.


 28.0258, 0.1855,
0.1877


 28.0258, 0.1855,
0.1877

292.5902, 0.2492,
0.2575


 18.3451, 0.1705,
0.1715


 56.5256, 0.2081,
0.2123

 11.1980, 0.1521,
0.1518


 76.1136, 0.2168,
0.2218

 6.2002, 0.1293,
0.1276


 99.7727, 0.2242,
0.2300

 2.9672, 0.1012,
0.0981

 127.8874, 0.2306,
0.2370

 1.1146, 0.0674,
0.0634

 160.8421, 0.2362,
0.2431

 0.0000, 0.0106,
0.0000

199.0212, 0.2411,

 0.0000, 0.0000,

0.2485

0.0000

242.8091, 0.2454,
0.2533

■ 28.0258, 0.1855,
0.1877

■ 28.0258, 0.1855,
0.1877

■ 27.9763, 0.1854,
0.1875

■ 31.5483, 0.1914,
0.2029

■ 35.6189, 0.1994,
0.2187

■ 40.3242, 0.2095,
0.2346

■ 45.7195, 0.2216,
0.2505

■ 51.8518, 0.2353,
0.2660

■ 58.7628, 0.2501,
0.2807

■ 66.4906, 0.2657,
0.2945

■ 75.0701, 0.2816,
0.3072

■ 84.5337, 0.2974,
0.3187

Harmonies

Analogous

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



28.0258, 0.1551, 0.2090



28.0258, 0.1855, 0.1877



28.0258, 0.2490, 0.1958

Triad

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



28.0258, 0.1855, 0.1877



28.0258, 0.4993, 0.3451



28.0258, 0.2627, 0.4722

Complementary

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



28.0258, 0.1855, 0.1877



29.5267, 0.5707, 0.3850

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.



28.0258, 0.3525, 0.5120



28.0258, 0.1855, 0.1877



28.0258, 0.4937, 0.4132

Square

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



28.0258, 0.1855, 0.1877



28.0258, 0.4410, 0.2816



28.0258, 0.4367, 0.4780



28.0258, 0.1918, 0.3675

Rectangle

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



28.0258, 0.1855, 0.1877



28.0258, 0.3090, 0.2153



28.0258, 0.4367, 0.4780



28.0258, 0.2918, 0.4950

Sweetspot

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



28.0266, 0.1855, 0.1877



70.0140, 0.2654, 0.2942



68.6835, 0.2821, 0.5356



14.2274, 0.2588, 0.2885



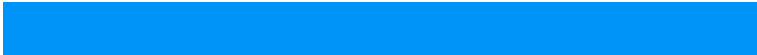
0.0000, 0.0000, 0.0000



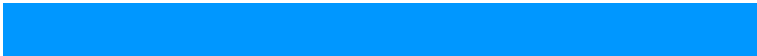
21.4041, 0.3127, 0.3290

Same Dimension

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



28.0266, 0.1855, 0.1877



29.4851, 0.1854, 0.1873



7.5488, 0.1516, 0.0655



18.3567, 0.2980, 0.3191



15.2589, 0.1861, 0.1899



1.6214, 0.1912, 0.2082

Inverse Universe

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



22.2902, 0.4594, 0.2305



23.5077, 0.4599, 0.2307



73.5397, 0.4383, 0.4901



17.3982, 0.3201, 0.3150



11.9513, 0.4568, 0.2290



1.1279, 0.4361, 0.2176

Previews

White Background



This preview shows how the Yxy color 28.0258, 0.1855, 0.1877 looks on a white background.

Color Contrast Check

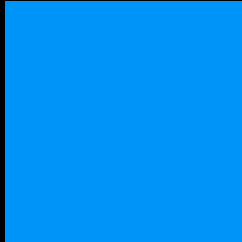
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0258, 0.1855, 0.1877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

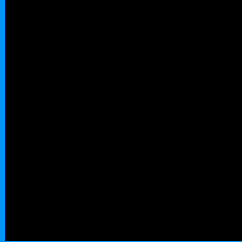
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

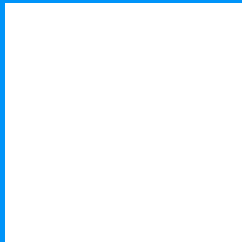
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.0258, 0.1855, 0.1877

Background



This preview shows how black text looks on a background with the Yxy color 28.0258, 0.1855, 0.1877.



This preview shows how white text looks on a background with the Yxy color 28.0258, 0.1855, 0.1877.

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

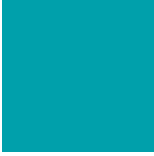
28.0194, 0.1855, 0.1877

Protanopia

27.8737, 0.2105, 0.1916

Deuteranopia

28.0228, 0.1920, 0.1851



Tritanopia

28.0819, 0.2192, 0.3089

Trichromacy



Original Color

28.0194, 0.1855, 0.1877

Protanomaly

27.2666, 0.1951, 0.1882

Deuteranomaly

27.8350, 0.1879, 0.1850

Tritanomaly

27.9005, 0.2049, 0.2575

Monochromacy



Original Color

28.0194, 0.1855, 0.1877

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

19.2755, 0.2294, 0.2596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0258, 0.1855, 0.1877 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, 148, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 249)  
}
```

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, 148, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 249) }
```

Border

The CSS property to change the border of an element to Yxy 28.0258, 0.1855, 0.1877 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, 148, 249) }
```

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

```
.border{ border-color:rgb(0, 148, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0258, 0.1855, 0.1877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 249) }
```

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

```
.background{ background-color: rgb(0, 148,  
249) }
```

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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