

Converting Colors

$Y_{xy}(28.6651, 0.1852, 0.1866)$

Have a look what the booklet for
Yxy(28.6651, 0.1852, 0.1866)
contains.

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Color

Yxy(28.5232, 0.1851, 0.1865)

Conversions

Conversions Part 1

Format	Color
Hex	0095FC
RGB	0, 149, 252
RGB Percent	0%, 58%, 99%
CMY	1.0000, 0.4156, 0.0118
CMYK	1.00, 0.41, 0.00, 0.01
HSL	205°, 100%, 49%
HSV	205°, 100%, 99%
XYZ	28.3091, 28.5232, 96.1071
YIQ	116.1910, -121.8670, 0.4450

Conversions

Conversions Part 2

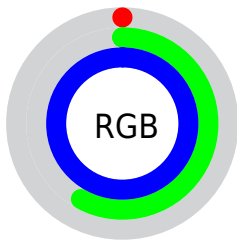
Format	Color
R _Y B	0, 94, 252
Decimal	38396
CIE Lab	60.36, 4.78, -60.20
CIE LCh	60, 60.387, 274.541
Yxy	28.5232, 0.1851, 0.1865
Android (android.graphics.Color)	4278228476 (0xFF0095FC)
YUV	116.1910, 66.9538, -101.8995
Hunter-Lab	53.4071, 1.1536, -69.3085

Details

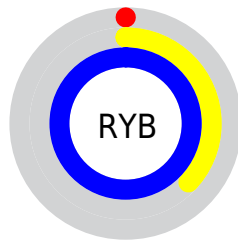
The Yxy color **28.5232, 0.1851, 0.1865** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **30.3913, 0.5704, 0.3853**, and the grayscale version is **17.3496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3114, 0.2278, 0.2642**, and **12.8638, 0.1777, 0.1597** is the 20% darker color. If you saturate the color by 10%, you get **28.5297, 0.1852, 0.1865**, and if you desaturate by 10%, it is **32.1434, 0.1911, 0.2018**.

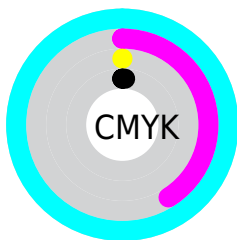
Distribution



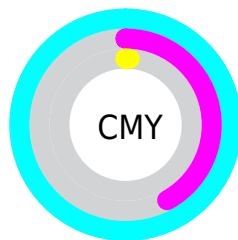
- Red (0%)
- Green (58%)
- Blue (99%)



- Red (0%)
- Yellow (37%)
- Blue (99%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (42%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5232, 0.1851, 0.1865 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 28.5232, 0.1851, 0.1865 by changing the saturation by 10% instead.


 28.5232, 0.1851,
0.1865


 28.5232, 0.1851,
0.1865


294.9586, 0.2487,
0.2565


 18.7204, 0.1702,
0.1704


 57.3187, 0.2077,
0.2111


 11.4684, 0.1519,
0.1508


 77.0802, 0.2163,
0.2206

 6.3828, 0.1294,
0.1268


 100.9300, 0.2238,
0.2288

 3.0792, 0.1016,
0.0976

 129.2526, 0.2302,
0.2359

 1.1732, 0.0683,
0.0635

 162.4324, 0.2357,
0.2420

 0.0397, 0.0161,
0.0041

200.8537, 0.2406,

 0.0000, 0.0000,

0.2475

0.0000

244.9010, 0.2449,
0.2523

■ 28.5232, 0.1851,
0.1865

■ 28.5232, 0.1851,
0.1865

■ 28.5297, 0.1852,
0.1865

■ 32.1434, 0.1911,
0.2018

■ 36.3223, 0.1990,
0.2176

■ 41.1562, 0.2091,
0.2337

■ 46.7021, 0.2212,
0.2497

■ 53.0088, 0.2350,
0.2653

■ 60.1195, 0.2498,
0.2801

■ 68.0734, 0.2654,
0.2940

■ 76.9066, 0.2813,
0.3068

■ 86.6527, 0.2972,
0.3185

Harmonies

Analogous

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



28.5232, 0.1541, 0.2074



28.5232, 0.1851, 0.1865



28.5232, 0.2495, 0.1950

Triad

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



28.5232, 0.1851, 0.1865



28.5232, 0.5015, 0.3459



28.5232, 0.2610, 0.4727

Complementary

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



28.5232, 0.1851, 0.1865



30.3913, 0.5704, 0.3853

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.



28.5232, 0.3513, 0.5139



28.5232, 0.1851, 0.1865



28.5232, 0.4947, 0.4145

Square

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



28.5232, 0.1851, 0.1865



28.5232, 0.4434, 0.2819



28.5232, 0.4365, 0.4799



28.5232, 0.1899, 0.3663

Rectangle

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



28.5232, 0.1851, 0.1865



28.5232, 0.3102, 0.2149



28.5232, 0.4365, 0.4799



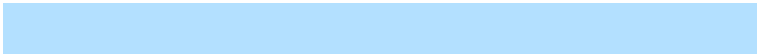
28.5232, 0.2902, 0.4962

Sweetspot

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



28.5297, 0.1852, 0.1865



69.9152, 0.2654, 0.2940



70.5556, 0.2822, 0.5360



14.2039, 0.2588, 0.2883



0.0000, 0.0000, 0.0000



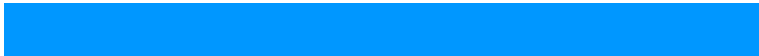
21.4041, 0.3127, 0.3290

Same Dimension

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



28.5297, 0.1852, 0.1865



29.2875, 0.1851, 0.1864



7.7320, 0.1515, 0.0654



18.3495, 0.2980, 0.3191



15.1589, 0.1859, 0.1891



1.6124, 0.1910, 0.2074

Inverse Universe

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



22.8658, 0.4608, 0.2312



23.4877, 0.4609, 0.2313



75.5233, 0.4384, 0.4901



17.3975, 0.3201, 0.3151



11.9412, 0.4578, 0.2296



1.1270, 0.4369, 0.2181

Previews

White Background



This preview shows how the Yxy color 28.5232, 0.1851, 0.1865 looks on a white background.

Color Contrast Check

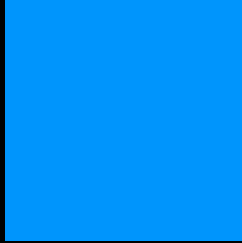
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5232, 0.1851, 0.1865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

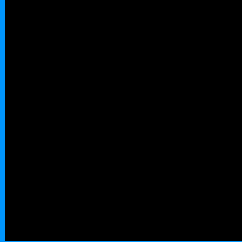
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

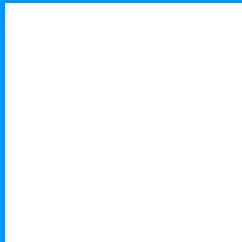
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.5232, 0.1851, 0.1865

Background



This preview shows how black text looks on a background with the Yxy color 28.5232, 0.1851, 0.1865.



This preview shows how white text looks on a background with the Yxy color 28.5232, 0.1851, 0.1865.

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

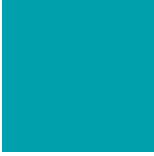
28.5232, 0.1851, 0.1865

Protanopia

28.3481, 0.2096, 0.1903

Deuteranopia

28.7715, 0.1913, 0.1851



Tritanopia

28.4683, 0.2192, 0.3090

Trichromacy



Original Color

28.5232, 0.1851, 0.1865

Protanomaly

27.7519, 0.1945, 0.1869

Deuteranomaly

28.6290, 0.1877, 0.1852

Tritanomaly

28.3310, 0.2046, 0.2565

Monochromacy



Original Color

28.5232, 0.1851, 0.1865

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 28.5232, 0.1851, 0.1865 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, 252)` looks like.

```
.text, #text, p{  
  color:rgb(0, 149, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 252) }
```

Border

The CSS property to change the border of an element to Yxy 28.5232, 0.1851, 0.1865 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, 252) }
```

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

```
.border{ border-color:rgb(0, 149, 252) }
```

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, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5232, 0.1851, 0.1865 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, 252) }
```

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

```
.background{ background-color: rgb(0, 149,  
252) }
```

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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