

Converting Colors

$Yxy(27.4323, 0.1878, 0.1962)$

Have a look what the booklet for
Yxy(27.4323, 0.1878, 0.1962)
contains.

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Color

Yxy(27.4711, 0.1878, 0.1960)

Conversions

Conversions Part 1

Format	Color
Hex	0094F0
RGB	0, 148, 240
RGB Percent	0%, 58%, 94%
CMY	0.9990, 0.4196, 0.0588
CMYK	1.00, 0.38, 0.00, 0.06
HSL	203°, 100%, 47%
HSV	203°, 100%, 94%
XYZ	26.3218, 27.4711, 86.3658
YIQ	114.2360, -117.7400, -2.7640

Conversions

Conversions Part 2

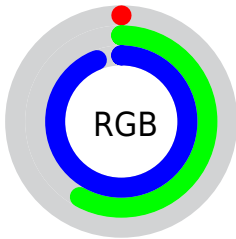
Format	Color
R _{YB}	0, 92, 240
Decimal	38128
CIE Lab	59.41, 0.87, -55.12
CIE LCh	59, 55.129, 270.909
Yxy	27.4711, 0.1878, 0.1960
Android (android.graphics.Color)	4278228208 (0xFF0094F0)
YUV	114.2360, 62.0017, -100.1850
Hunter-Lab	52.4129, -2.0797, -61.0089

Details

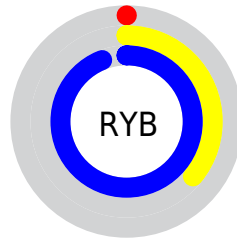
The Yxy color **27.4711, 0.1878, 0.1960** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **26.2320, 0.5767, 0.3802**, and the grayscale version is **16.7627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.6492, 0.2263, 0.2627**, and **12.1543, 0.1805, 0.1699** is the 20% darker color. If you saturate the color by 10%, you get **27.4391, 0.1877, 0.1958**, and if you desaturate by 10%, it is **30.6735, 0.1935, 0.2104**.

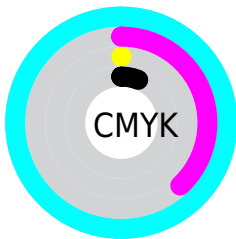
Distribution



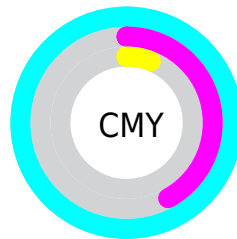
- Red (0%)
- Green (58%)
- Blue (94%)



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



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



- Cyan (100%)
- Magenta (42%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.4711, 0.1878, 0.1960 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 27.4711, 0.1878, 0.1960 by changing the saturation by 10% instead.

■ 27.4711, 0.1878,
0.1960

■ 27.4711, 0.1878,
0.1960

289.9309, 0.2508,
0.2629

■ 17.9273, 0.1728,
0.1801

■ 55.6389, 0.2103,
0.2199

■ 10.8978, 0.1542,
0.1605

■ 75.0318, 0.2189,
0.2290

■ 5.9982, 0.1310,
0.1360

■ 98.4764, 0.2263,
0.2368

■ 2.8440, 0.1021,
0.1056

■ 126.3573, 0.2326,
0.2435

■ 1.0508, 0.0671,
0.0689

■ 159.0588, 0.2380,
0.2493

■ 0.0000, 0.0000,
0.0000

196.9653, 0.2428,

0.2544

240.4612, 0.2470,
0.2589

■ 27.4711, 0.1878,
0.1960

■ 27.4711, 0.1878,
0.1960

■ 27.4391, 0.1877,
0.1958

■ 30.6735, 0.1935,
0.2104

■ 34.3520, 0.2012,
0.2253

■ 38.5863, 0.2110,
0.2403

■ 43.4258, 0.2227,
0.2552

■ 48.9127, 0.2361,
0.2697

■ 55.0842, 0.2506,
0.2835

■ 61.9741, 0.2660,
0.2964

■ 69.6135, 0.2817,
0.3084

■ 78.0313, 0.2974,
0.3193

Harmonies

Analogous

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



27.4711, 0.1618, 0.2204



27.4711, 0.1878, 0.1960



27.4711, 0.2451, 0.2007

Triad

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



27.4711, 0.1878, 0.1960



27.4711, 0.4843, 0.3390



27.4711, 0.2755, 0.4690

Complementary

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



27.4711, 0.1878, 0.1960



26.2320, 0.5767, 0.3802

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.



27.4711, 0.3609, 0.4991



27.4711, 0.1878, 0.1960



27.4711, 0.4867, 0.4037

Square

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



27.4711, 0.1878, 0.1960



27.4711, 0.4239, 0.2787



27.4711, 0.4383, 0.4649



27.4711, 0.2050, 0.3766

Rectangle

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



27.4711, 0.1878, 0.1960



27.4711, 0.2998, 0.2177



27.4711, 0.4383, 0.4649



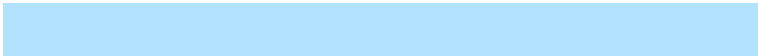
27.4711, 0.3035, 0.4877

Sweetspot

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



27.4719, 0.1878, 0.1960



70.9403, 0.2656, 0.2962



63.1074, 0.2834, 0.5402



14.4479, 0.2591, 0.2908



0.0000, 0.0000, 0.0000



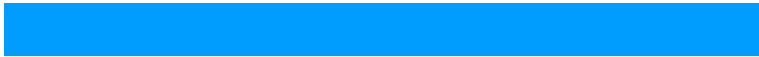
21.4041, 0.3127, 0.3290

Same Dimension

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



27.4719, 0.1878, 0.1960



31.3769, 0.1876, 0.1954



7.1355, 0.1520, 0.0671



16.8507, 0.2980, 0.3197



15.2835, 0.1884, 0.1982



1.4633, 0.1937, 0.2172

Inverse Universe

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



20.6718, 0.4498, 0.2252



23.6987, 0.4505, 0.2256



65.6384, 0.4418, 0.4874



15.9226, 0.3197, 0.3145



11.3362, 0.4474, 0.2238



0.9624, 0.4262, 0.2122

Previews

White Background



This preview shows how the Yxy color 27.4711, 0.1878, 0.1960 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 27.4711, 0.1878, 0.1960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

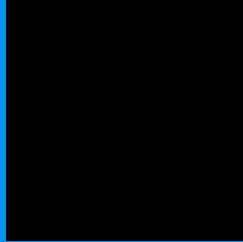
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

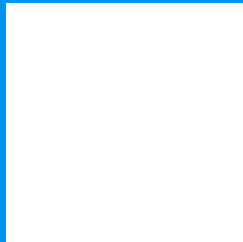
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.4711, 0.1878, 0.1960

Background



This preview shows how black text looks on a background with the Yxy color 27.4711, 0.1878, 0.1960.



This preview shows how white text looks on a background with the Yxy color 27.4711, 0.1878, 0.1960.

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

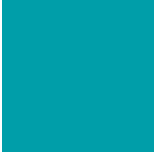
27.4711, 0.1878, 0.1960

Protanopia

27.2947, 0.2163, 0.1993

Deuteranopia

27.6370, 0.1987, 0.1931



Tritanopia

27.3183, 0.2191, 0.3087

Trichromacy



Original Color

27.4711, 0.1878, 0.1960

Protanomaly

26.5375, 0.1987, 0.1954

Deuteranomaly

27.1596, 0.1917, 0.1922

Tritanomaly

27.0513, 0.2055, 0.2597

Monochromacy



Original Color

27.4711, 0.1878, 0.1960

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.8762, 0.2317, 0.2642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4711, 0.1878, 0.1960 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 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, 148, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 240) }
```

Border

The CSS property to change the border of an element to Yxy 27.4711, 0.1878, 0.1960 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, 240) }
```

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

```
.border{ border-color:rgb(0, 148, 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, 148, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4711, 0.1878, 0.1960 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, 240) }
```

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

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