

Converting Colors

$Y_{xy}(22.2688, 0.1506, 0.1849)$

Have a look what the booklet for
Yxy(22.2688, 0.1506, 0.1849)
contains.

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Color

Yxy(25.4711, 0.1878, 0.1962)

Conversions

Conversions Part 1

Format	Color
Hex	008FE8
RGB	0, 143, 232
RGB Percent	0%, 56%, 91%
CMY	1.0000, 0.4391, 0.0902
CMYK	1.00, 0.38, 0.00, 0.09
HSL	203°, 100%, 45%
HSV	203°, 100%, 91%
XYZ	24.3806, 25.4711, 79.9704
YIQ	110.3890, -113.7970, -2.6370

Conversions

Conversions Part 2

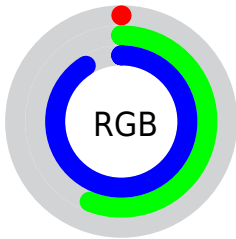
Format	Color
R _{YB}	0, 88, 232
Decimal	36840
CIE _{Lab}	57.53, 0.74, -53.67
CIE _{LCh}	58, 53.675, 270.795
Yxy	25.4711, 0.1878, 0.1962
Android (android.graphics.Color)	4278226920 (0xFF008FE8)
YUV	110.3890, 59.9542, -96.8112
Hunter-Lab	50.4689, -2.0905, -58.6197

Details

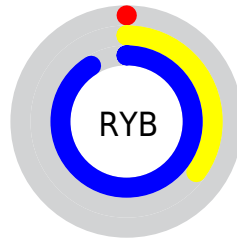
The Yxy color **25.4711, 0.1878, 0.1962** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **24.2957, 0.5767, 0.3803**, and the grayscale version is **15.5624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7640, 0.2238, 0.2547**, and **10.9633, 0.1800, 0.1679** is the 20% darker color. If you saturate the color by 10%, you get **25.4761, 0.1878, 0.1962**, and if you desaturate by 10%, it is **28.4393, 0.1936, 0.2106**.

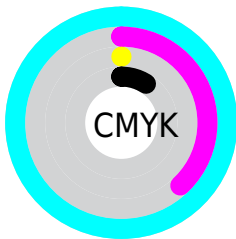
Distribution



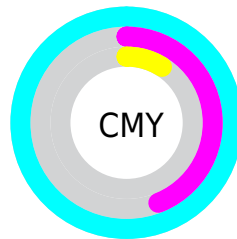
- Red (0%)
- Green (56%)
- Blue (91%)



- Red (0%)
- Yellow (35%)
- Blue (91%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (44%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4711, 0.1878, 0.1962 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 25.4711, 0.1878, 0.1962 by changing the saturation by 10% instead.

■ 25.4711, 0.1878,
0.1962

■ 25.4711, 0.1878,
0.1962

280.1760, 0.2516,
0.2639

■ 16.4284, 0.1724,
0.1799

■ 52.4205, 0.2108,
0.2206

■ 9.8278, 0.1531,
0.1596

■ 71.0959, 0.2195,
0.2298

■ 5.2849, 0.1290,
0.1341

■ 93.7510, 0.2269,
0.2377

■ 2.4154, 0.0988,
0.1023

■ 120.7703, 0.2333,
0.2444

■ 0.8338, 0.0622,
0.0640

■ 152.5380, 0.2388,
0.2503

■ 0.0000, 0.0000,
0.0000

189.4386, 0.2436,

0.2554

231.8564, 0.2478,
0.2599

■ 25.4711, 0.1878,
0.1962

■ 25.4711, 0.1878,
0.1962

■ 25.4761, 0.1878,
0.1962

■ 28.4393, 0.1936,
0.2106

■ 31.8404, 0.2012,
0.2254

■ 35.7541, 0.2110,
0.2404

■ 40.2258, 0.2227,
0.2553

■ 45.2943, 0.2361,
0.2697

■ 50.9939, 0.2506,
0.2835

■ 57.3557, 0.2659,
0.2964

■ 64.4082, 0.2815,
0.3083

■ 72.1782, 0.2972,
0.3192

Harmonies

Analogous

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



25.4711, 0.1620, 0.2207



25.4711, 0.1878, 0.1962



25.4711, 0.2449, 0.2008

Triad

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



25.4711, 0.1878, 0.1962



25.4711, 0.4840, 0.3388



25.4711, 0.2759, 0.4690

Complementary

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



25.4711, 0.1878, 0.1962



24.2957, 0.5767, 0.3803

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.



25.4711, 0.3612, 0.4989



25.4711, 0.1878, 0.1962



25.4711, 0.4865, 0.4034

Square

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



25.4711, 0.1878, 0.1962



25.4711, 0.4234, 0.2786



25.4711, 0.4384, 0.4646



25.4711, 0.2054, 0.3769

Rectangle

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



25.4711, 0.1878, 0.1962



25.4711, 0.2995, 0.2177



25.4711, 0.4384, 0.4646



25.4711, 0.3039, 0.4876

Sweetspot

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



25.4761, 0.1878, 0.1962



70.9522, 0.2656, 0.2962



58.4301, 0.2834, 0.5401



14.4508, 0.2591, 0.2908



0.0000, 0.0000, 0.0000



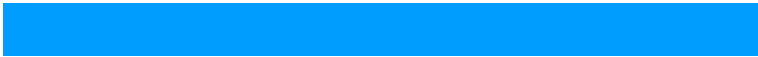
21.4041, 0.3127, 0.3290

Same Dimension

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



25.4761, 0.1878, 0.1962



31.4017, 0.1876, 0.1955



6.6128, 0.1520, 0.0672



15.3592, 0.2981, 0.3198



14.3950, 0.1885, 0.1985



1.2421, 0.1944, 0.2197

Inverse Universe

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



19.1385, 0.4496, 0.2250



23.7012, 0.4504, 0.2255



60.7831, 0.4418, 0.4874



14.5166, 0.3196, 0.3146



10.6509, 0.4469, 0.2236



0.8051, 0.4236, 0.2107

Previews

White Background



This preview shows how the Yxy color 25.4711, 0.1878, 0.1962 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 25.4711, 0.1878, 0.1962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

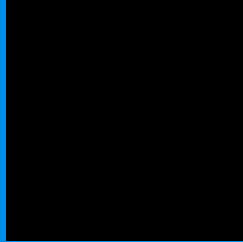
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

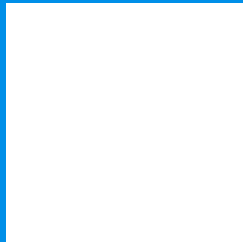
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.4711, 0.1878, 0.1962

Background



This preview shows how black text looks on a background with the Yxy color 25.4711, 0.1878, 0.1962.



This preview shows how white text looks on a background with the Yxy color 25.4711, 0.1878, 0.1962.

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

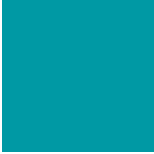
25.4711, 0.1878, 0.1962

Protanopia

25.2568, 0.2168, 0.1994

Deuteranopia

25.6136, 0.1990, 0.1931



Tritanopia

25.4628, 0.2189, 0.3081

Trichromacy



Original Color

25.4711, 0.1878, 0.1962

Protanomaly

24.5612, 0.1989, 0.1955

Deuteranomaly

25.1748, 0.1919, 0.1923

Tritanomaly

25.1690, 0.2054, 0.2593

Monochromacy



Original Color

25.4711, 0.1878, 0.1962

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

17.5543, 0.2320, 0.2659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4711, 0.1878, 0.1962 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, 143, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 232)  
}
```

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, 143, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 232) }
```

Border

The CSS property to change the border of an element to Yxy 25.4711, 0.1878, 0.1962 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, 143, 232) }
```

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

```
.border{ border-color:rgb(0, 143, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4711, 0.1878, 0.1962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 232) }
```

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

```
.background{ background-color: rgb(0, 143,  
232) }
```

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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