

Converting Colors

$Y_{xy}(24.5613, 0.1687, 0.1770)$

Have a look what the booklet for
Yxy(24.5613, 0.1687, 0.1770)
contains.

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Color

Yxy(25.9998, 0.1838, 0.1817)

Conversions

Conversions Part 1

Format	Color
Hex	008EF6
RGB	0, 142, 246
RGB Percent	0%, 56%, 96%
CMY	1.0000, 0.4431, 0.0354
CMYK	1.00, 0.42, 0.00, 0.04
HSL	205°, 100%, 48%
HSV	205°, 100%, 96%
XYZ	26.3003, 25.9998, 90.7918
YIQ	111.3980, -118.0160, 2.2400

Conversions

Conversions Part 2

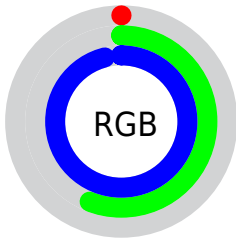
Format	Color
R _{YB}	0, 90, 246
Decimal	36598
CIE Lab	58.04, 6.70, -60.60
CIE LCh	58, 60.965, 276.305
Yxy	25.9998, 0.1838, 0.1817
Android (android.graphics.Color)	4278226678 (0xFF008EF6)
YUV	111.3980, 66.3588, -97.6960
Hunter-Lab	50.9900, 2.8366, -69.8776

Details

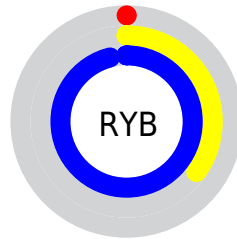
The Yxy color **25.9998, 0.1838, 0.1817** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **29.4769, 0.5662, 0.3887**, and the grayscale version is **15.8488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5652, 0.2251, 0.2536**, and **11.5028, 0.1764, 0.1549** is the 20% darker color. If you saturate the color by 10%, you get **26.0020, 0.1838, 0.1817**, and if you desaturate by 10%, it is **29.4429, 0.1899, 0.1975**.

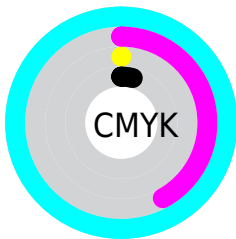
Distribution



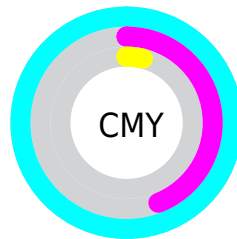
- Red (0%)
- Green (56%)
- Blue (96%)



- Red (0%)
- Yellow (35%)
- Blue (96%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (44%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.9998, 0.1838, 0.1817 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 25.9998, 0.1838, 0.1817 by changing the saturation by 10% instead.


 25.9998, 0.1838,
0.1817


 25.9998, 0.1838,
0.1817


282.7811, 0.2490,
0.2546


 16.8235, 0.1683,
0.1648


 53.2746, 0.2071,
0.2074

 10.1087, 0.1493,
0.1443


 72.1419, 0.2160,
0.2174


 5.4711, 0.1258,
0.1193

 95.0084, 0.2236,
0.2259

 2.5262, 0.0968,
0.0890

 122.2583, 0.2301,
0.2332

 0.8897, 0.0623,
0.0544

 154.2761, 0.2358,
0.2396

 0.0000, 0.0000,
0.0000

191.4463, 0.2407,

0.2452

234.1531, 0.2451,
0.2502

■ 25.9998, 0.1838,
0.1817

■ 25.9998, 0.1838,
0.1817

■ 26.0020, 0.1838,
0.1817

■ 29.4429, 0.1899,
0.1975

■ 33.4345, 0.1980,
0.2138

■ 38.0629, 0.2084,
0.2304

■ 43.3826, 0.2207,
0.2470

■ 49.4402, 0.2346,
0.2631

■ 56.2771, 0.2496,
0.2785

■ 63.9308, 0.2653,
0.2929

■ 72.4360, 0.2813,
0.3061

■ 81.8249, 0.2972,
0.3182

Harmonies

Analogous

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



25.9998, 0.1502, 0.2008



25.9998, 0.1838, 0.1817



25.9998, 0.2519, 0.1922

Triad

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



25.9998, 0.1838, 0.1817



25.9998, 0.5103, 0.3494



25.9998, 0.2532, 0.4743

Complementary

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



25.9998, 0.1838, 0.1817



29.4769, 0.5662, 0.3887

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.



25.9998, 0.3460, 0.5218



25.9998, 0.1838, 0.1817



25.9998, 0.4985, 0.4201

Square

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



25.9998, 0.1838, 0.1817



25.9998, 0.4539, 0.2835



25.9998, 0.4351, 0.4879



25.9998, 0.1821, 0.3604

Rectangle

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



25.9998, 0.1838, 0.1817



25.9998, 0.3159, 0.2135



25.9998, 0.4351, 0.4879



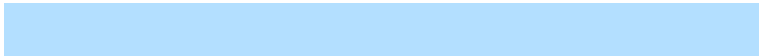
25.9998, 0.2830, 0.5005

Sweetspot

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



26.0020, 0.1838, 0.1817



69.3432, 0.2653, 0.2928



66.8589, 0.2808, 0.5308



14.0679, 0.2586, 0.2868



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.



26.0020, 0.1838, 0.1817



28.1596, 0.1837, 0.1814



7.1697, 0.1512, 0.0642



17.5159, 0.2980, 0.3187



14.1671, 0.1845, 0.1843



1.4484, 0.1900, 0.2041

Inverse Universe

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



21.5398, 0.4665, 0.2344



23.3739, 0.4668, 0.2345



73.6899, 0.4350, 0.4928



16.6430, 0.3203, 0.3154



11.5296, 0.4635, 0.2327



1.0339, 0.4406, 0.2201

Previews

White Background



This preview shows how the Yxy color 25.9998, 0.1838, 0.1817 looks on a white background.

Color Contrast Check

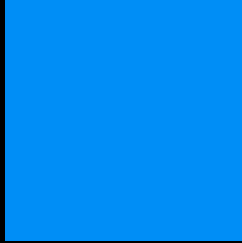
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9998, 0.1838, 0.1817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

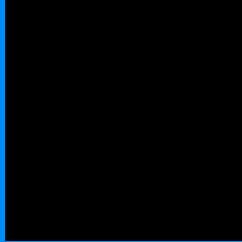
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

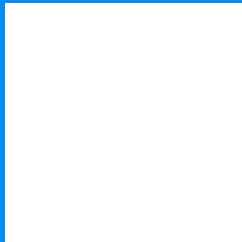
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.9998, 0.1838, 0.1817

Background



This preview shows how black text looks on a background with the Yxy color 25.9998, 0.1838, 0.1817.



This preview shows how white text looks on a background with the Yxy color 25.9998, 0.1838, 0.1817.

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

25.9998, 0.1838, 0.1817

Protanopia

25.8871, 0.2057, 0.1852

Deuteranopia

26.1349, 0.1875, 0.1816



Tritanopia

25.8278, 0.2190, 0.3082

Trichromacy



Original Color

25.9998, 0.1838, 0.1817

Protanomaly

25.5176, 0.1924, 0.1823

Deuteranomaly

25.9102, 0.1854, 0.1809

Tritanomaly

25.7077, 0.2039, 0.2539

Monochromacy



Original Color

25.9998, 0.1838, 0.1817

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.7967, 0.2286, 0.2559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9998, 0.1838, 0.1817 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, 142, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 246)  
}
```

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, 142, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 246) }
```

Border

The CSS property to change the border of an element to Yxy 25.9998, 0.1838, 0.1817 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, 142, 246) }
```

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

```
.border{ border-color:rgb(0, 142, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9998, 0.1838, 0.1817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 246) }
```

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

```
.background{ background-color: rgb(0, 142,  
246) }
```

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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