

Converting Colors

$Yxy(21.9557, 0.1326, 0.1718)$

Have a look what the booklet for
Yxy(21.9557, 0.1326, 0.1718)
contains.

Yxy(26.7825, 0.1855, 0.1878)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.7825, 0.1855, 0.1878)

Conversions

Conversions Part 1

Format	Color
Hex	0091F4
RGB	0, 145, 244
RGB Percent	0%, 57%, 96%
CMY	1.0000, 0.4314, 0.0431
CMYK	1.00, 0.41, 0.00, 0.04
HSL	204°, 100%, 48%
HSV	204°, 100%, 96%
XYZ	26.4545, 26.7825, 89.3748
YIQ	112.9310, -118.1990, 0.0490

Conversions

Conversions Part 2

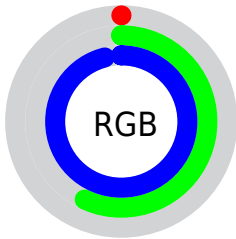
Format	Color
R _{YB}	0, 91, 244
Decimal	37364
CIE _{Lab}	58.77, 4.16, -58.34
CIE _{LCh}	59, 58.492, 274.079
Yxy	26.7825, 0.1855, 0.1878
Android (android.graphics.Color)	4278227444 (0xFF0091F4)
YUV	112.9310, 64.6170, -99.0405
Hunter-Lab	51.7518, 0.6800, -66.1669

Details

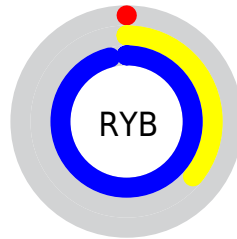
The Yxy color **26.7825, 0.1855, 0.1878** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **28.1620, 0.5709, 0.3849**, and the grayscale version is **16.3245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8594, 0.2256, 0.2575**, and **11.7723, 0.1779, 0.1603** is the 20% darker color. If you saturate the color by 10%, you get **26.7841, 0.1855, 0.1878**, and if you desaturate by 10%, it is **30.1424, 0.1914, 0.2030**.

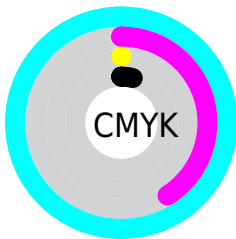
Distribution



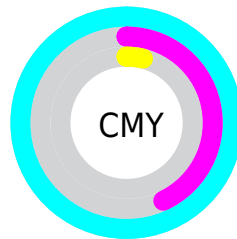
- Red (0%)
- Green (57%)
- Blue (96%)



- Red (0%)
- Yellow (36%)
- Blue (96%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (43%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7825, 0.1855, 0.1878 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 26.7825, 0.1855, 0.1878 by changing the saturation by 10% instead.


 26.7825, 0.1855,
0.1878


 26.7825, 0.1855,
0.1878


286.6025, 0.2497,
0.2581

 17.4099, 0.1703,
0.1714


 54.5347, 0.2084,
0.2127


 10.5272, 0.1515,
0.1512


 73.6830, 0.2172,
0.2223


 5.7499, 0.1281,
0.1265

 96.8588, 0.2247,
0.2305

 2.6936, 0.0992,
0.0962

 124.4464, 0.2311,
0.2376

 0.9739, 0.0647,
0.0607

 156.8301, 0.2367,
0.2437

 0.0000, 0.0000,
0.0000

194.3945, 0.2415,

0.2491

237.5238, 0.2458,
0.2539

■ 26.7825, 0.1855,
0.1878

■ 26.7825, 0.1855,
0.1878

■ 26.7841, 0.1855,
0.1878

■ 30.1424, 0.1914,
0.2030

■ 34.0207, 0.1993,
0.2187

■ 38.5028, 0.2094,
0.2346

■ 43.6414, 0.2215,
0.2505

■ 49.4812, 0.2352,
0.2659

■ 56.0622, 0.2500,
0.2806

■ 63.4202, 0.2655,
0.2944

■ 71.5888, 0.2814,
0.3070

■ 80.5987, 0.2972,
0.3186

Harmonies

Analogous

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



26.7825, 0.1551, 0.2091



26.7825, 0.1855, 0.1878



26.7825, 0.2489, 0.1958

Triad

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



26.7825, 0.1855, 0.1878



26.7825, 0.4992, 0.3450



26.7825, 0.2629, 0.4722

Complementary

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



26.7825, 0.1855, 0.1878



28.1620, 0.5709, 0.3849

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.



26.7825, 0.3526, 0.5118



26.7825, 0.1855, 0.1878



26.7825, 0.4937, 0.4131

Square

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



26.7825, 0.1855, 0.1878



26.7825, 0.4407, 0.2815



26.7825, 0.4368, 0.4778



26.7825, 0.1920, 0.3677

Rectangle

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



26.7825, 0.1855, 0.1878



26.7825, 0.3088, 0.2153



26.7825, 0.4368, 0.4778



26.7825, 0.2920, 0.4950

Sweetspot

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



26.7841, 0.1855, 0.1878



70.0335, 0.2654, 0.2943



65.5851, 0.2821, 0.5357



14.2320, 0.2588, 0.2886



0.0000, 0.0000, 0.0000



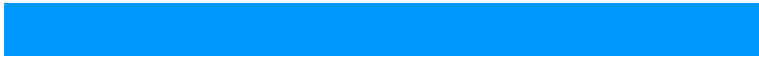
21.4041, 0.3127, 0.3290

Same Dimension

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



26.7841, 0.1855, 0.1878



29.5242, 0.1854, 0.1875



7.2025, 0.1515, 0.0655



17.5642, 0.2980, 0.3192



14.8370, 0.1862, 0.1902



1.5055, 0.1915, 0.2094

Inverse Universe

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



21.2803, 0.4593, 0.2304



23.5116, 0.4597, 0.2306



70.2198, 0.4384, 0.4901



16.6478, 0.3200, 0.3150



11.5972, 0.4565, 0.2288



1.0396, 0.4348, 0.2169

Previews

White Background



This preview shows how the Yxy color 26.7825, 0.1855, 0.1878 looks on a white background.

Color Contrast Check

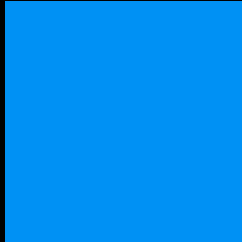
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7825, 0.1855, 0.1878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

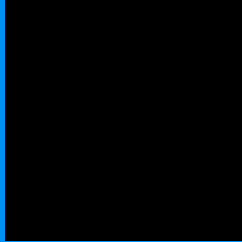
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

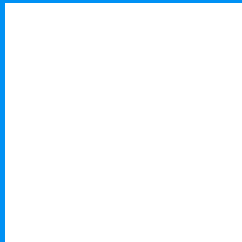
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.7825, 0.1855, 0.1878

Background



This preview shows how black text looks on a background with the Yxy color 26.7825, 0.1855, 0.1878.



This preview shows how white text looks on a background with the Yxy color 26.7825, 0.1855, 0.1878.

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

26.7825, 0.1855, 0.1878

Protanopia

26.6584, 0.2102, 0.1908

Deuteranopia

26.7793, 0.1921, 0.1851



Tritanopia

26.5670, 0.2190, 0.3085

Trichromacy



Original Color

26.7825, 0.1855, 0.1878

Protanomaly

26.1042, 0.1949, 0.1874

Deuteranomaly

26.6126, 0.1881, 0.1851

Tritanomaly

26.3966, 0.2045, 0.2561

Monochromacy



Original Color

26.7825, 0.1855, 0.1878

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

18.6182, 0.2299, 0.2604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7825, 0.1855, 0.1878 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, 145, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 244)  
}
```

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, 145, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 244) }
```

Border

The CSS property to change the border of an element to Yxy 26.7825, 0.1855, 0.1878 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, 145, 244) }
```

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

```
.border{ border-color:rgb(0, 145, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 145, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7825, 0.1855, 0.1878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 244) }
```

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

```
.background{ background-color: rgb(0, 145,  
244) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor