

Converting Colors

$Yxy(21.0754, 0.1847, 0.1847)$

Have a look what the booklet for
Yxy(21.0754, 0.1847, 0.1847)
contains.

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Color

Yxy(20.9809, 0.1845, 0.1839)

Conversions

Conversions Part 1

Format	Color
Hex	0181DE
RGB	1, 129, 222
RGB Percent	0%, 51%, 87%
CMY	0.9958, 0.4941, 0.1293
CMYK	1.00, 0.42, 0.00, 0.13
HSL	205°, 99%, 44%
HSV	205°, 100%, 87%
XYZ	21.0494, 20.9809, 72.0584
YIQ	101.3300, -106.1410, 1.7870

Conversions

Conversions Part 2

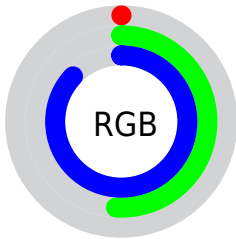
Format	Color
RYB	1, 82, 222
Decimal	98782
CIELab	52.93, 5.40, -55.45
CIELCh	53, 55.710, 275.565
Yxy	20.9809, 0.1845, 0.1839
Android (android.graphics.Color)	4278288862 (0xFF0181DE)
YUV	101.3300, 59.4903, -87.9894
Hunter-Lab	45.8049, 1.8699, -61.2091

Details

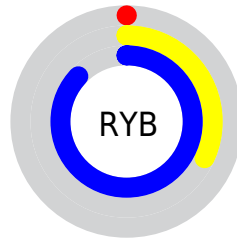
The Yxy color **20.9809, 0.1845, 0.1839** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **23.5551, 0.5646, 0.3895**, and the grayscale version is **12.9731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2108, 0.2185, 0.2344**, and **8.6380, 0.1764, 0.1551** is the 20% darker color. If you saturate the color by 10%, you get **20.8566, 0.1842, 0.1832**, and if you desaturate by 10%, it is **23.7360, 0.1907, 0.1996**.

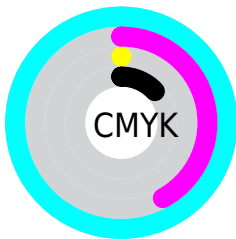
Distribution



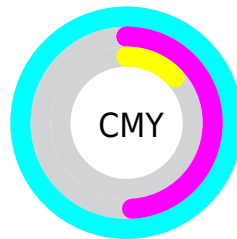
- Red (0%)
- Green (51%)
- Blue (87%)



- Red (0%)
- Yellow (32%)
- Blue (87%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (49%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9809, 0.1845, 0.1839 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 20.9809, 0.1845, 0.1839 by changing the saturation by 10% instead.

■ 20.9809, 0.1845,
0.1839

■ 20.9809, 0.1845,
0.1839

257.1770, 0.2517,
0.2587

■ 13.1100, 0.1678,
0.1657

■ 45.0557, 0.2091,
0.2110

■ 7.5044, 0.1469,
0.1432

■ 62.0285, 0.2184,
0.2212

■ 3.7795, 0.1205,
0.1153

■ 82.8041, 0.2261,
0.2299

■ 1.5510, 0.0875,
0.0811

■ 107.7667, 0.2328,
0.2373

■ 0.3242, 0.0437,
0.0322

■ 137.3010, 0.2385,
0.2438

■ 0.0000, 0.0000,
0.0000

171.7912, 0.2435,

0.2494

211.6217, 0.2479,
0.2543

■ 20.9809, 0.1845,
0.1839

■ 20.9809, 0.1845,
0.1839

■ 20.8566, 0.1842,
0.1832

■ 23.7360, 0.1907,
0.1996

■ 26.9264, 0.1990,
0.2158

■ 30.6187, 0.2095,
0.2323

■ 34.8546, 0.2219,
0.2487

■ 39.6699, 0.2358,
0.2646

■ 45.0965, 0.2508,
0.2797

■ 51.1635, 0.2664,
0.2939

■ 57.8977, 0.2823,
0.3069

■ 65.3240, 0.2980,
0.3188

Harmonies

Analogous

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



20.9809, 0.1520, 0.2037



20.9809, 0.1845, 0.1839



20.9809, 0.2510, 0.1936

Triad

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



20.9809, 0.1845, 0.1839



20.9809, 0.5063, 0.3479



20.9809, 0.2566, 0.4734

Complementary

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



20.9809, 0.1845, 0.1839



23.5551, 0.5646, 0.3895

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.



20.9809, 0.3483, 0.5181



20.9809, 0.1845, 0.1839



20.9809, 0.4967, 0.4177

Square

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



20.9809, 0.1845, 0.1839



20.9809, 0.4492, 0.2829



20.9809, 0.4357, 0.4843



20.9809, 0.1856, 0.3629

Rectangle

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



20.9809, 0.1845, 0.1839



20.9809, 0.3135, 0.2142



20.9809, 0.4357, 0.4843



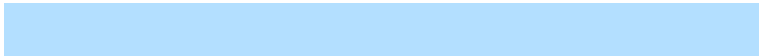
20.9809, 0.2862, 0.4984

Sweetspot

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



20.9815, 0.1845, 0.1839



69.4095, 0.2653, 0.2929



53.0506, 0.2803, 0.5288



14.0837, 0.2586, 0.2870



0.0000, 0.0000, 0.0000



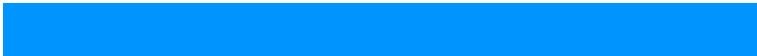
21.4041, 0.3127, 0.3290

Same Dimension

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



20.9815, 0.1845, 0.1839



28.2889, 0.1839, 0.1820



5.7638, 0.1515, 0.0650



14.5549, 0.2981, 0.3189



12.6110, 0.1849, 0.1855



1.0501, 0.1916, 0.2097

Inverse Universe

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



17.1402, 0.4638, 0.2331



23.3869, 0.4662, 0.2342



58.5321, 0.4347, 0.4928



13.8330, 0.3202, 0.3155



10.1811, 0.4621, 0.2319



0.7235, 0.4344, 0.2167

Previews

White Background



This preview shows how the Yxy color 20.9809, 0.1845, 0.1839 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 20.9809, 0.1845, 0.1839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

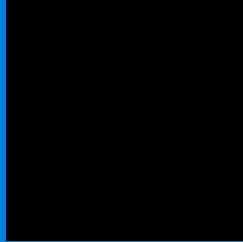
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9809, 0.1845, 0.1839

Background



This preview shows how black text looks on a background with the Yxy color 20.9809, 0.1845, 0.1839.



This preview shows how white text looks on a background with the Yxy color 20.9809, 0.1845, 0.1839.

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

20.9809, 0.1845, 0.1839

Protanopia

21.0551, 0.2072, 0.1878

Deuteranopia

21.1436, 0.1892, 0.1840



Tritanopia

20.9261, 0.2196, 0.3104

Trichromacy



Original Color

20.9809, 0.1845, 0.1839

Protanomaly

20.5135, 0.1935, 0.1845

Deuteranomaly

20.9189, 0.1865, 0.1831

Tritanomaly

20.7429, 0.2040, 0.2543

Monochromacy



Original Color

20.9809, 0.1845, 0.1839

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.5370, 0.2300, 0.2576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9809, 0.1845, 0.1839 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(1, 129, 222)` looks like.

```
.text, #text, p{  
    color:rgb(1, 129, 222)  
}
```

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(1, 129, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 129, 222) }
```

Border

The CSS property to change the border of an element to Yxy 20.9809, 0.1845, 0.1839 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(1, 129, 222) }
```

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

```
.border{ border-color:rgb(1, 129, 222) }
```

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

Here you see how a box with a 4 pixel rgb(1, 129, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 129, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 129, 222);  
box-shadow:4px 4px 4px 4px rgb(1, 129,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9809, 0.1845, 0.1839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 129, 222) }
```

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

```
.background{ background-color: rgb(1, 129,  
222) }
```

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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