

Converting Colors

$Yxy(12.3459, 0.0705, 0.1367)$

Have a look what the booklet for
Yxy(12.3459, 0.0705, 0.1367)
contains.

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Color

Yxy(19.4936, 0.1815, 0.1734)

Conversions

Conversions Part 1

Format	Color
Hex	007BDF
RGB	0, 123, 223
RGB Percent	0%, 48%, 87%
CMY	1.0000, 0.5177, 0.1254
CMYK	1.00, 0.45, 0.00, 0.13
HSL	207°, 100%, 44%
HSV	207°, 100%, 87%
XYZ	20.4042, 19.4936, 72.5220
YIQ	97.6230, -105.4080, 5.0240

Conversions

Conversions Part 2

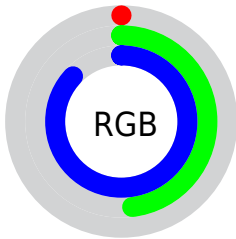
Format	Color
RYB	0, 79, 223
Decimal	31711
CIELab	51.26, 9.47, -58.70
CIELCh	51, 59.457, 279.167
Yxy	19.4936, 0.1815, 0.1734
Android (android.graphics.Color)	4278221791 (0xFF007BDF)
YUV	97.6230, 61.8109, -85.6154
Hunter-Lab	44.1516, 5.2268, -66.4819

Details

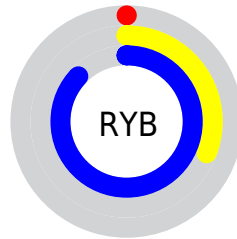
The Yxy color **19.4936, 0.1815, 0.1734** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **24.8143, 0.5577, 0.3954**, and the grayscale version is **11.9803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8230, 0.2168, 0.2264**, and **7.8222, 0.1729, 0.1425** is the 20% darker color. If you saturate the color by 10%, you get **19.4948, 0.1815, 0.1734**, and if you desaturate by 10%, it is **22.2789, 0.1880, 0.1899**.

Distribution



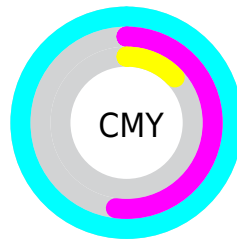
- Red (0%)
- Green (48%)
- Blue (87%)



- Red (0%)
- Yellow (31%)
- Blue (87%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (52%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4936, 0.1815, 0.1734 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 19.4936, 0.1815, 0.1734 by changing the saturation by 10% instead.

■ 19.4936, 0.1815,
0.1734

■ 19.4936, 0.1815,
0.1734

249.1603, 0.2508,
0.2531

■ 12.0275, 0.1643,
0.1544

■ 42.5665, 0.2069,
0.2021

■ 6.7624, 0.1427,
0.1310

■ 58.9421, 0.2165,
0.2130

■ 3.3140, 0.1157,
0.1025

■ 79.0563, 0.2245,
0.2222

■ 1.2978, 0.0822,
0.0686

■ 103.2935, 0.2313,
0.2302

■ 0.1395, 0.0367,
0.0141

■ 132.0381, 0.2372,
0.2371

■ 0.0000, 0.0000,
0.0000

165.6745, 0.2423,

0.2431

204.5871, 0.2468,
0.2484

■ 19.4936, 0.1815,
0.1734

■ 19.4936, 0.1815,
0.1734

■ 19.4948, 0.1815,
0.1734

■ 22.2789, 0.1880,
0.1899

■ 25.5248, 0.1965,
0.2071

■ 29.3048, 0.2073,
0.2247

■ 33.6625, 0.2200,
0.2423

■ 38.6356, 0.2342,
0.2593

■ 44.2577, 0.2495,
0.2756

■ 50.5595, 0.2654,
0.2908

■ 57.5691, 0.2814,
0.3048

■ 65.3128, 0.2973,
0.3176

Harmonies

Analogous

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



19.4936, 0.1434, 0.1893



19.4936, 0.1815, 0.1734



19.4936, 0.2564, 0.1872

Triad

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



19.4936, 0.1815, 0.1734



19.4936, 0.5254, 0.3551



19.4936, 0.2394, 0.4768

Complementary

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



19.4936, 0.1815, 0.1734



24.8143, 0.5577, 0.3954

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.



19.4936, 0.3361, 0.5362



19.4936, 0.1815, 0.1734



19.4936, 0.5043, 0.4296

Square

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



19.4936, 0.1815, 0.1734



19.4936, 0.4727, 0.2861



19.4936, 0.4320, 0.5021



19.4936, 0.1686, 0.3496

Rectangle

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



19.4936, 0.1815, 0.1734



19.4936, 0.3263, 0.2110



19.4936, 0.4320, 0.5021



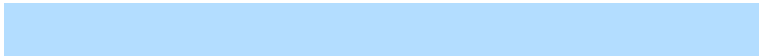
19.4936, 0.2701, 0.5082

Sweetspot

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



19.4948, 0.1815, 0.1734



68.2926, 0.2650, 0.2905



53.6494, 0.2791, 0.5246



13.8186, 0.2582, 0.2842



0.0000, 0.0000, 0.0000



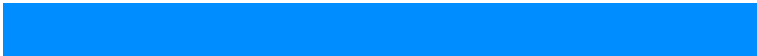
21.4041, 0.3127, 0.3290

Same Dimension

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



19.4948, 0.1815, 0.1734



26.1599, 0.1812, 0.1722



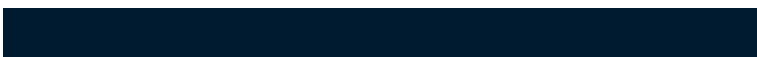
5.6674, 0.1510, 0.0634



14.4902, 0.2981, 0.3182



11.6880, 0.1822, 0.1759



0.9882, 0.1893, 0.2015

Inverse Universe

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



17.1232, 0.4765, 0.2399



23.1720, 0.4779, 0.2406



60.8850, 0.4316, 0.4955



13.8264, 0.3206, 0.3161



10.0880, 0.4735, 0.2382



0.7172, 0.4436, 0.2217

Previews

White Background



This preview shows how the Yxy color 19.4936, 0.1815, 0.1734 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 19.4936, 0.1815, 0.1734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

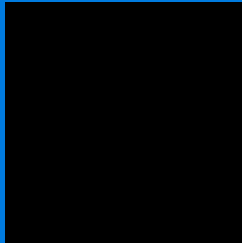
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

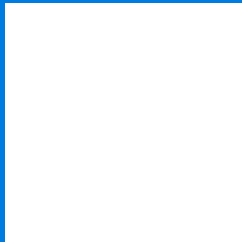
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.4936, 0.1815, 0.1734

Background



This preview shows how black text looks on a background with the Yxy color 19.4936, 0.1815, 0.1734.



This preview shows how white text looks on a background with the Yxy color 19.4936, 0.1815, 0.1734.

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

19.4936, 0.1815, 0.1734

Protanopia

19.4353, 0.1985, 0.1763

Deuteranopia

19.5298, 0.1830, 0.1788



Tritanopia

19.3416, 0.2194, 0.3098

Trichromacy



Original Color

19.4936, 0.1815, 0.1734

Protanomaly

19.1811, 0.1883, 0.1740

Deuteranomaly

19.5826, 0.1827, 0.1778

Tritanomaly

19.2497, 0.2025, 0.2489

Monochromacy



Original Color

19.4936, 0.1815, 0.1734

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.5227, 0.2273, 0.2519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4936, 0.1815, 0.1734 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, 123, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 223)  
}
```

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, 123, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 223) }
```

Border

The CSS property to change the border of an element to Yxy 19.4936, 0.1815, 0.1734 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, 123, 223) }
```

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

```
.border{ border-color:rgb(0, 123, 223) }
```

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

Here you see how a box with a 4 pixel rgb(0, 123, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4936, 0.1815, 0.1734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 223) }
```

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

```
.background{ background-color: rgb(0, 123,  
223) }
```

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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