

Converting Colors

$Y_{xy}(18.3185, 0.1565, 0.1379)$

Have a look what the booklet for
Yxy(18.3185, 0.1565, 0.1379)
contains.

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Color

Yxy(19.9219, 0.1735, 0.1447)

Conversions

Conversions Part 1	
Format	Color
Hex	0076FB
RGB	0, 118, 251
RGB Percent	0%, 46%, 98%
CMY	1.0000, 0.5372, 0.0156
CMYK	1.00, 0.53, 0.00, 0.02
HSL	212°, 100%, 49%
HSV	212°, 100%, 98%
XYZ	23.8870, 19.9219, 93.8684
YIQ	97.8800, -113.0210, 16.3470

Conversions

Conversions Part 2

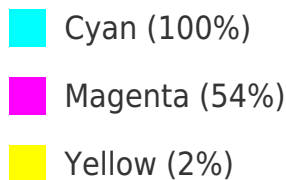
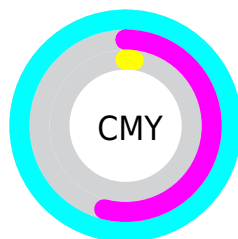
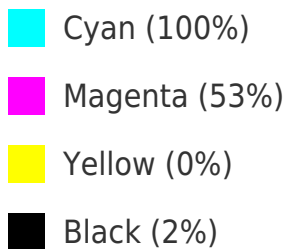
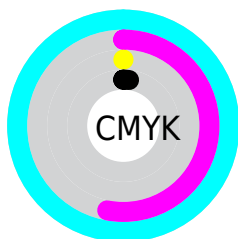
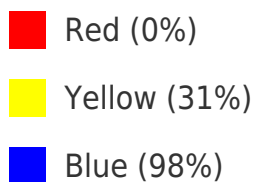
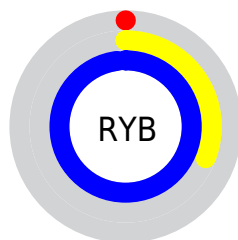
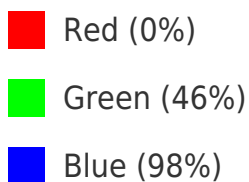
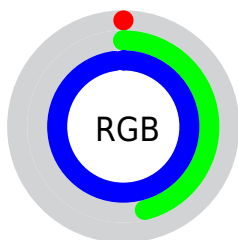
Format	Color
RYB	0, 80, 251
Decimal	30459
CIELab	51.75, 23.51, -73.54
CIELCh	52, 77.208, 287.730
Yxy	19.9219, 0.1735, 0.1447
Android (android.graphics.Color)	4278220539 (0xFF0076FB)
YUV	97.8800, 75.4882, -85.8408
Hunter-Lab	44.6340, 17.4194, -93.4473

Details

The Yxy color **19.9219, 0.1735, 0.1447** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **37.2893, 0.5346, 0.4137**, and the grayscale version is **12.0160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0407, 0.2186, 0.2193**, and **8.3567, 0.1657, 0.1166** is the 20% darker color. If you saturate the color by 10%, you get **19.9263, 0.1735, 0.1447**, and if you desaturate by 10%, it is **23.4913, 0.1805, 0.1632**.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9219, 0.1735, 0.1447 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 19.9219, 0.1735, 0.1447 by changing the saturation by 10% instead.


 19.9219, 0.1735,
0.1447


 19.9219, 0.1735,
0.1447


251.4920, 0.2456,
0.2334

 12.3383, 0.1564,
0.1255


 43.2862, 0.1994,
0.1751


 6.9745, 0.1355,
0.1030


 59.8357, 0.2093,
0.1871

 3.4462, 0.1101,
0.0772


 80.1426, 0.2177,
0.1975

 1.3689, 0.0798,
0.0490

 104.5913, 0.2249,
0.2066

 0.1936, 0.0464,
0.0119

 133.5662, 0.2311,
0.2145

 0.0000, 0.0000,
0.0000

167.4517, 0.2366,

0.2215

206.6321, 0.2414,
0.2278

■ 19.9219, 0.1735,
0.1447

■ 19.9219, 0.1735,
0.1447

■ 19.9263, 0.1735,
0.1447

■ 23.4913, 0.1805,
0.1632

■ 27.7828, 0.1899,
0.1831

■ 32.8993, 0.2017,
0.2039

■ 38.9063, 0.2157,
0.2248

■ 45.8606, 0.2311,
0.2454

■ 53.8129, 0.2475,
0.2650

■ 62.8099, 0.2642,
0.2833

■ 72.8944, 0.2809,
0.3001

■ 84.1069, 0.2971,
0.3154

Harmonies

Analogous

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



19.9219, 0.1201, 0.1503



19.9219, 0.1735, 0.1447



19.9219, 0.2750, 0.1693

Triad

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



19.9219, 0.1735, 0.1447



19.9219, 0.5756, 0.3706



19.9219, 0.1865, 0.4810

Complementary

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



19.9219, 0.1735, 0.1447



37.2893, 0.5346, 0.4137

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.



19.9219, 0.2942, 0.5948



19.9219, 0.1735, 0.1447



19.9219, 0.5165, 0.4612

Square

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



19.9219, 0.1735, 0.1447



19.9219, 0.5453, 0.2925



19.9219, 0.4118, 0.5573



19.9219, 0.1211, 0.3044

Rectangle

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



19.9219, 0.1735, 0.1447



19.9219, 0.3694, 0.2015



19.9219, 0.4118, 0.5573



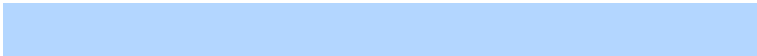
19.9219, 0.2193, 0.5353

Sweetspot

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



19.9263, 0.1735, 0.1447



65.0734, 0.2642, 0.2833



70.6098, 0.2717, 0.4982



13.0575, 0.2571, 0.2757



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.



19.9263, 0.1735, 0.1447



20.6253, 0.1735, 0.1446



6.9932, 0.1504, 0.0602



17.9886, 0.2980, 0.3161



10.7585, 0.1744, 0.1477



1.2067, 0.1806, 0.1700

Inverse Universe

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



21.8211, 0.5128, 0.2599



22.6133, 0.5130, 0.2600



88.7505, 0.4164, 0.5076



17.3611, 0.3220, 0.3179



11.4970, 0.5089, 0.2577



1.0860, 0.4806, 0.2421

Previews

White Background



This preview shows how the Yxy color 19.9219, 0.1735, 0.1447 looks on a white background.

Color Contrast Check

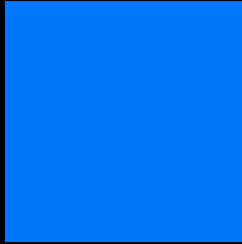
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9219, 0.1735, 0.1447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

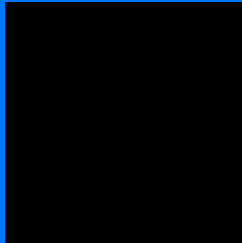
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

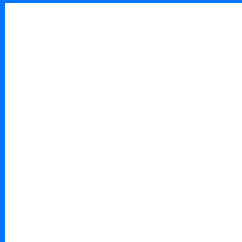
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.9219, 0.1735, 0.1447

Background



This preview shows how black text looks on a background with the Yxy color 19.9219, 0.1735, 0.1447.



This preview shows how white text looks on a background with the Yxy color 19.9219, 0.1735, 0.1447.

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

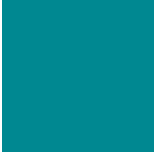
19.9219, 0.1735, 0.1447

Protanopia

19.9864, 0.1742, 0.1450

Deuteranopia

19.9315, 0.1844, 0.1839



Tritanopia

19.6527, 0.2194, 0.3099

Trichromacy



Original Color

19.9219, 0.1735, 0.1447

Protanomaly

19.9606, 0.1739, 0.1449

Deuteranomaly

19.8231, 0.1801, 0.1682

Tritanomaly

19.1612, 0.1968, 0.2285

Monochromacy



Original Color

19.9219, 0.1735, 0.1447

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.4604, 0.2188, 0.2288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9219, 0.1735, 0.1447 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, 118, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 251)  
}
```

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, 118, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 251) }
```

Border

The CSS property to change the border of an element to Yxy 19.9219, 0.1735, 0.1447 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, 118, 251) }
```

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

```
.border{ border-color:rgb(0, 118, 251) }
```

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

Here you see how a box with a 4 pixel rgb(0, 118, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9219, 0.1735, 0.1447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 251) }
```

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

```
.background{ background-color: rgb(0, 118,  
251) }
```

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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