

Converting Colors

$Yxy(15.7125, 0.1631, 0.1334)$

Have a look what the booklet for
Yxy(15.7125, 0.1631, 0.1334)
contains.

Yxy(16.4811, 0.1715, 0.1373)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.4811, 0.1715, 0.1373)

Conversions

Conversions Part 1

Format	Color
Hex	006AEE
RGB	0, 106, 238
RGB Percent	0%, 42%, 93%
CMY	0.9989, 0.5843, 0.0667
CMYK	1.00, 0.55, 0.00, 0.07
HSL	213°, 100%, 47%
HSV	213°, 100%, 93%
XYZ	20.5864, 16.4811, 82.9697
YIQ	89.3540, -105.5480, 18.5800

Conversions

Conversions Part 2

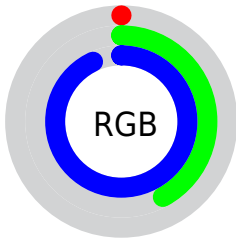
Format	Color
RYB	0, 73, 238
Decimal	27374
CIELab	47.60, 26.14, -73.02
CIELCh	48, 77.559, 289.695
Yxy	16.4811, 0.1715, 0.1373
Android (android.graphics.Color)	4278217454 (0xFF006AEE)
YUV	89.3540, 73.2825, -78.3635
Hunter-Lab	40.5969, 19.4713, -92.7557

Details

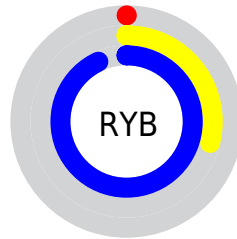
The Yxy color **16.4811, 0.1715, 0.1373** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **34.7506, 0.5264, 0.4201**, and the grayscale version is **9.9442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2481, 0.2135, 0.2017**, and **6.5679, 0.1633, 0.1077** is the 20% darker color. If you saturate the color by 10%, you get **16.4466, 0.1714, 0.1371**, and if you desaturate by 10%, it is **19.6115, 0.1787, 0.1562**.

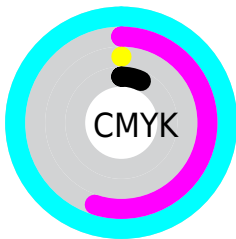
Distribution



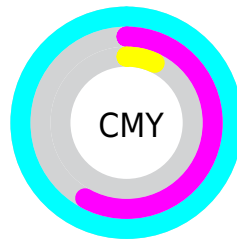
- Red (0%)
- Green (42%)
- Blue (93%)



- Red (0%)
- Yellow (29%)
- Blue (93%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (58%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4811, 0.1715, 0.1373 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 16.4811, 0.1715, 0.1373 by changing the saturation by 10% instead.


 16.4811, 0.1715,
0.1373

 16.4811, 0.1715,
0.1373


232.1641, 0.2466,
0.2310


 9.8652, 0.1532,
0.1169


 37.4314, 0.1989,
0.1696


 5.3097, 0.1307,
0.0930


 52.5347, 0.2092,
0.1823


 2.4301, 0.1033,
0.0660

 71.2358, 0.2180,
0.1934

 0.8413, 0.0708,
0.0375

 93.9193, 0.2254,
0.2029

 0.0000, 0.0306,
0.0000

 120.9694, 0.2319,
0.2113

 0.0000, 0.0000,
0.0000

152.7707, 0.2374,

0.2187

189.7075, 0.2423,
0.2252

■ 16.4811, 0.1715,
0.1373

■ 16.4811, 0.1715,
0.1373

■ 16.4466, 0.1714,
0.1371

■ 19.6115, 0.1787,
0.1562

■ 23.4160, 0.1884,
0.1768

■ 27.9848, 0.2006,
0.1984

■ 33.3772, 0.2149,
0.2202

■ 39.6452, 0.2307,
0.2417

■ 46.8353, 0.2474,
0.2622

■ 54.9901, 0.2643,
0.2814

■ 64.1493, 0.2811,
0.2990

■ 74.3499, 0.2974,
0.3149

Harmonies

Analogous

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



16.4811, 0.1142, 0.1404



16.4811, 0.1715, 0.1373



16.4811, 0.2809, 0.1645

Triad

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



16.4811, 0.1715, 0.1373



16.4811, 0.5872, 0.3731



16.4811, 0.1715, 0.4801

Complementary

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



16.4811, 0.1715, 0.1373



34.7506, 0.5264, 0.4201

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.



16.4811, 0.2809, 0.6126



16.4811, 0.1715, 0.1373



16.4811, 0.5183, 0.4702

Square

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



16.4811, 0.1715, 0.1373



16.4811, 0.5658, 0.2931



16.4811, 0.4039, 0.5740



16.4811, 0.1090, 0.2904

Rectangle

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



16.4811, 0.1715, 0.1373



16.4811, 0.3829, 0.1988



16.4811, 0.4039, 0.5740



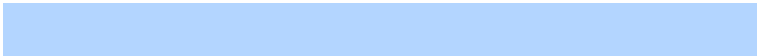
16.4811, 0.2043, 0.5421

Sweetspot

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



16.4815, 0.1715, 0.1373



64.0927, 0.2639, 0.2810



62.7789, 0.2683, 0.4858



12.8267, 0.2567, 0.2730



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.



16.4815, 0.1715, 0.1373



19.1213, 0.1712, 0.1364



6.2576, 0.1512, 0.0607



16.3860, 0.2980, 0.3155



9.4263, 0.1722, 0.1399



0.9796, 0.1792, 0.1652

Inverse Universe

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



19.2206, 0.5227, 0.2654



22.4614, 0.5239, 0.2660



77.3227, 0.4105, 0.5122



15.8757, 0.3223, 0.3185



10.7449, 0.5192, 0.2634



0.9136, 0.4866, 0.2454

Previews

White Background



This preview shows how the Yxy color 16.4811, 0.1715, 0.1373 looks on a white background.

Color Contrast Check

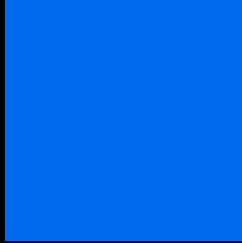
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.4811, 0.1715, 0.1373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

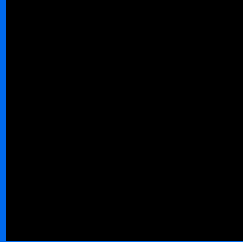
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

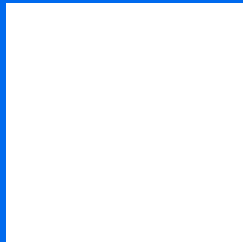
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.4811, 0.1715, 0.1373

Background



This preview shows how black text looks on a background with the Yxy color 16.4811, 0.1715, 0.1373.



This preview shows how white text looks on a background with the Yxy color 16.4811, 0.1715, 0.1373.

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

16.4811, 0.1715, 0.1373

Protanopia

16.4383, 0.1737, 0.1454

Deuteranopia

16.3387, 0.1847, 0.1849



Tritanopia

16.3332, 0.2202, 0.3128

Trichromacy



Original Color

16.4811, 0.1715, 0.1373

Protanomaly

16.3986, 0.1728, 0.1419

Deuteranomaly

16.3924, 0.1792, 0.1650

Tritanomaly

15.8971, 0.1959, 0.2252

Monochromacy



Original Color

16.4811, 0.1715, 0.1373

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.0374, 0.2177, 0.2238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4811, 0.1715, 0.1373 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, 106, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 238)  
}
```

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, 106, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 238) }
```

Border

The CSS property to change the border of an element to Yxy 16.4811, 0.1715, 0.1373 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, 106, 238) }
```

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

```
.border{ border-color:rgb(0, 106, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4811, 0.1715, 0.1373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 238) }
```

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

```
.background{ background-color: rgb(0, 106,  
238) }
```

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