

Converting Colors

$Yxy(15.3212, 0.1602, 0.1425)$

Have a look what the booklet for
Yxy(15.3212, 0.1602, 0.1425)
contains.

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Color

Yxy(16.4833, 0.1747, 0.1490)

Conversions

Conversions Part 1

Format	Color
Hex	006DE3
RGB	0, 109, 227
RGB Percent	0%, 43%, 89%
CMY	1.0000, 0.5725, 0.1099
CMYK	1.00, 0.52, 0.00, 0.11
HSL	211°, 100%, 45%
HSV	211°, 100%, 89%
XYZ	19.3264, 16.4833, 74.8165
YIQ	89.8610, -102.8420, 13.5900

Conversions

Conversions Part 2

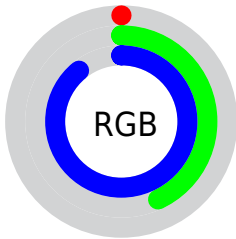
Format	Color
RYB	0, 74, 227
Decimal	28131
CIELab	47.60, 19.87, -66.83
CIELCh	48, 69.718, 286.559
Yxy	16.4833, 0.1747, 0.1490
Android (android.graphics.Color)	4278218211 (0xFF006DE3)
YUV	89.8610, 67.6095, -78.8081
Hunter-Lab	40.5996, 13.9209, -80.8391

Details

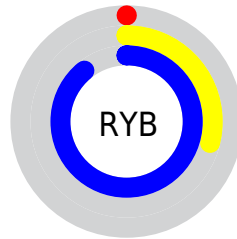
The Yxy color **16.4833, 0.1747, 0.1490** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **29.2723, 0.5368, 0.4120**, and the grayscale version is **10.0574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3649, 0.2127, 0.2064**, and **6.4953, 0.1662, 0.1183** is the 20% darker color. If you saturate the color by 10%, you get **16.4864, 0.1747, 0.1490**, and if you desaturate by 10%, it is **19.3533, 0.1818, 0.1673**.

Distribution



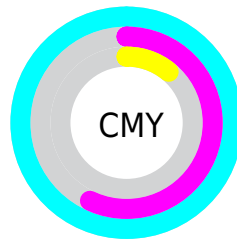
- Red (0%)
- Green (43%)
- Blue (89%)



- Red (0%)
- Yellow (29%)
- Blue (89%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (57%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4833, 0.1747, 0.1490 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 16.4833, 0.1747, 0.1490 by changing the saturation by 10% instead.

■ 16.4833, 0.1747,
0.1490

■ 16.4833, 0.1747,
0.1490

■ 232.1769, 0.2486,
0.2394

■ 9.8668, 0.1563,
0.1284

■ 37.4352, 0.2019,
0.1808

■ 5.3107, 0.1335,
0.1039

■ 52.5394, 0.2121,
0.1932

■ 2.4307, 0.1053,
0.0753

■ 71.2417, 0.2207,
0.2037

■ 0.8416, 0.0715,
0.0440

■ 93.9263, 0.2280,
0.2129

■ 0.0000, 0.0227,
0.0000

■ 120.9778, 0.2342,
0.2208

■ 0.0000, 0.0000,
0.0000

152.7804, 0.2397,

0.2278

189.7187, 0.2444,
0.2339

■ 16.4833, 0.1747,
0.1490

■ 16.4833, 0.1747,
0.1490

■ 16.4864, 0.1747,
0.1490

■ 19.3533, 0.1818,
0.1673

■ 22.7804, 0.1911,
0.1869

■ 26.8468, 0.2029,
0.2072

■ 31.6029, 0.2166,
0.2276

■ 37.0920, 0.2319,
0.2476

■ 43.3531, 0.2480,
0.2667

■ 50.4219, 0.2646,
0.2845

■ 58.3315, 0.2811,
0.3009

■ 67.1128, 0.2972,
0.3157

Harmonies

Analogous

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



16.4833, 0.1236, 0.1561



16.4833, 0.1747, 0.1490



16.4833, 0.2719, 0.1721

Triad

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



16.4833, 0.1747, 0.1490



16.4833, 0.5685, 0.3688



16.4833, 0.1949, 0.4810

Complementary

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



16.4833, 0.1747, 0.1490



29.2723, 0.5368, 0.4120

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.



16.4833, 0.3014, 0.5850



16.4833, 0.1747, 0.1490



16.4833, 0.5157, 0.4567

Square

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



16.4833, 0.1747, 0.1490



16.4833, 0.5337, 0.2918



16.4833, 0.4160, 0.5485



16.4833, 0.1282, 0.3120

Rectangle

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



16.4833, 0.1747, 0.1490



16.4833, 0.3621, 0.2031



16.4833, 0.4160, 0.5485



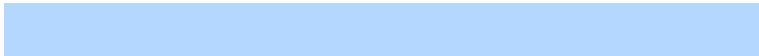
16.4833, 0.2275, 0.5312

Sweetspot

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



16.4864, 0.1747, 0.1490



65.4699, 0.2643, 0.2842



56.2144, 0.2715, 0.4973



13.1510, 0.2572, 0.2768



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.



16.4864, 0.1747, 0.1490



21.2580, 0.1744, 0.1479



5.5690, 0.1504, 0.0602



15.0237, 0.2981, 0.3165



9.8483, 0.1755, 0.1517



0.9129, 0.1830, 0.1788

Inverse Universe

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



17.4312, 0.5072, 0.2568



22.6771, 0.5086, 0.2576



70.6420, 0.4164, 0.5076



14.4827, 0.3217, 0.3178



10.1919, 0.5037, 0.2549



0.7718, 0.4700, 0.2363

Previews

White Background



This preview shows how the Yxy color 16.4833, 0.1747, 0.1490 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 16.4833, 0.1747, 0.1490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

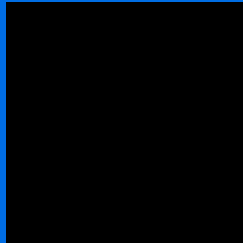
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

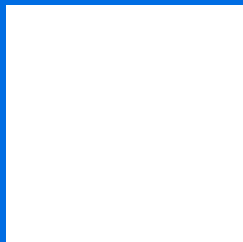
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.4833, 0.1747, 0.1490

Background



This preview shows how black text looks on a background with the Yxy color 16.4833, 0.1747, 0.1490.



This preview shows how white text looks on a background with the Yxy color 16.4833, 0.1747, 0.1490.

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

16.4833, 0.1747, 0.1490

Protanopia

16.4773, 0.1779, 0.1496

Deuteranopia

16.3850, 0.1844, 0.1838



Tritanopia

16.3607, 0.2196, 0.3106

Trichromacy



Original Color

16.4833, 0.1747, 0.1490

Protanomaly

16.3447, 0.1762, 0.1489

Deuteranomaly

16.4137, 0.1806, 0.1703

Tritanomaly

15.9837, 0.1982, 0.2334

Monochromacy



Original Color

16.4833, 0.1747, 0.1490

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.3127, 0.2208, 0.2335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4833, 0.1747, 0.1490 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, 109, 227)` looks like.

```
.text, #text, p{  
  color:rgb(0, 109, 227)  
}
```

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, 109, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 227) }
```

Border

The CSS property to change the border of an element to Yxy 16.4833, 0.1747, 0.1490 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, 109, 227) }
```

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

```
.border{ border-color:rgb(0, 109, 227) }
```

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

Here you see how a box with a 4 pixel rgb(0, 109, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4833, 0.1747, 0.1490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 227) }
```

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

```
.background{ background-color: rgb(0, 109,  
227) }
```

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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