

Converting Colors

$Yxy(16.8573, 0.1747, 0.1487)$

Have a look what the booklet for
Yxy(16.8573, 0.1747, 0.1487)
contains.

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Color

Yxy(16.8155, 0.1748, 0.1490)

Conversions

Conversions Part 1

Format	Color
Hex	016EE5
RGB	1, 110, 229
RGB Percent	0%, 43%, 90%
CMY	0.9962, 0.5686, 0.1021
CMYK	1.00, 0.52, 0.00, 0.10
HSL	211°, 99%, 45%
HSV	211°, 100%, 90%
XYZ	19.7272, 16.8155, 76.3130
YIQ	90.9750, -103.1630, 13.9010

Conversions

Conversions Part 2

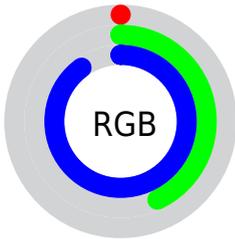
Format	Color
R _Y B	1, 75, 229
Decimal	93925
CIE Lab	48.03, 20.06, -67.26
CIE LCh	48, 70.191, 286.606
Yxy	16.8155, 0.1748, 0.1490
Android (android.graphics.Color)	4278284005 (0xFF016EE5)
YUV	90.9750, 68.0463, -78.9081
Hunter-Lab	41.0067, 14.1096, -81.6333

Details

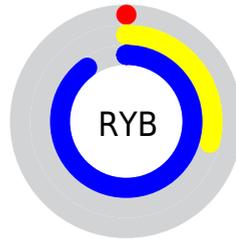
The Yxy color **16.8155, 0.1748, 0.1490** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **30.0714, 0.5355, 0.4127**, and the grayscale version is **10.3150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7739, 0.2135, 0.2079**, and **6.6453, 0.1665, 0.1192** is the 20% darker color. If you saturate the color by 10%, you get **16.7008, 0.1745, 0.1482**, and if you desaturate by 10%, it is **19.7566, 0.1819, 0.1674**.

Distribution



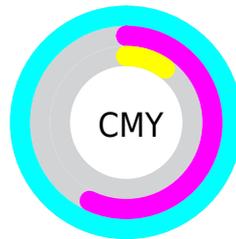
- Red (0%)
- Green (43%)
- Blue (90%)



- Red (0%)
- Yellow (29%)
- Blue (90%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (57%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8155, 0.1748, 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 16.8155, 0.1748, 0.1490 by changing the saturation by 10% instead.

■ 16.8155, 0.1748,
0.1490

■ 16.8155, 0.1748,
0.1490

234.1069, 0.2485,
0.2391

■ 10.1030, 0.1566,
0.1286

■ 38.0083, 0.2018,
0.1806

■ 5.4673, 0.1340,
0.1043

■ 53.2574, 0.2120,
0.1929

■ 2.5240, 0.1061,
0.0760

■ 72.1208, 0.2205,
0.2035

■ 0.8886, 0.0726,
0.0449

■ 94.9830, 0.2278,
0.2126

■ 0.0000, 0.0264,
0.0000

■ 122.2283, 0.2341,
0.2205

■ 0.0000, 0.0000,
0.0000

154.2411, 0.2395,

0.2275

191.4059, 0.2443,
0.2336

■ 16.8155, 0.1748,
0.1490

■ 16.8155, 0.1748,
0.1490

■ 16.7008, 0.1745,
0.1482

■ 19.7566, 0.1819,
0.1674

■ 23.2779, 0.1914,
0.1871

■ 27.4567, 0.2032,
0.2075

■ 32.3442, 0.2171,
0.2280

■ 37.9847, 0.2324,
0.2480

■ 44.4181, 0.2487,
0.2672

■ 51.6807, 0.2653,
0.2850

■ 59.8063, 0.2818,
0.3014

■ 68.8267, 0.2979,
0.3162

Harmonies

Analogous

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



16.8155, 0.1236, 0.1560



16.8155, 0.1748, 0.1490



16.8155, 0.2721, 0.1721

Triad

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



16.8155, 0.1748, 0.1490



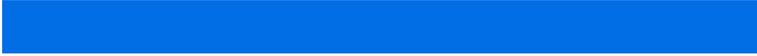
16.8155, 0.5685, 0.3690



16.8155, 0.1948, 0.4807

Complementary

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



16.8155, 0.1748, 0.1490



30.0714, 0.5355, 0.4127

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.



16.8155, 0.3012, 0.5850



16.8155, 0.1748, 0.1490



16.8155, 0.5156, 0.4568

Square

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



16.8155, 0.1748, 0.1490



16.8155, 0.5339, 0.2920



16.8155, 0.4158, 0.5486



16.8155, 0.1282, 0.3117

Rectangle

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



16.8155, 0.1748, 0.1490



16.8155, 0.3623, 0.2031



16.8155, 0.4158, 0.5486



16.8155, 0.2274, 0.5311

Sweetspot

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



16.8159, 0.1748, 0.1490



65.3889, 0.2643, 0.2840



57.3552, 0.2714, 0.4966



13.1319, 0.2572, 0.2765



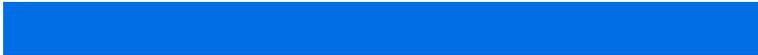
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



16.8159, 0.1748, 0.1490



21.1275, 0.1742, 0.1472



5.7073, 0.1506, 0.0605



15.0187, 0.2981, 0.3164



9.7894, 0.1753, 0.1510



0.9085, 0.1828, 0.1782

Inverse Universe

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



17.8003, 0.5071, 0.2570



22.6640, 0.5095, 0.2581



72.0597, 0.4163, 0.5075



14.4822, 0.3218, 0.3178



10.1860, 0.5046, 0.2553



0.7714, 0.4707, 0.2367

Previews

White Background



This preview shows how the Yxy color 16.8155, 0.1748, 0.1490 looks on a white background.

Color Contrast Check

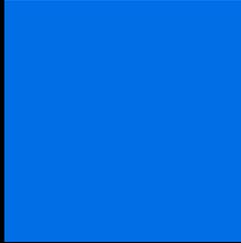
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8155, 0.1748, 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 16.8155, 0.1748, 0.1490

Background



This preview shows how black text looks on a background with the Yxy color 16.8155, 0.1748, 0.1490.



This preview shows how white text looks on a background with the Yxy color 16.8155, 0.1748, 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

16.8155, 0.1748, 0.1490

Protanopia

16.8147, 0.1780, 0.1496

Deuteranopia

16.7078, 0.1843, 0.1834



Tritanopia

16.6429, 0.2197, 0.3108

Trichromacy



Original Color

16.8155, 0.1748, 0.1490

Protanomaly

16.6772, 0.1763, 0.1489

Deuteranomaly

16.7378, 0.1806, 0.1700

Tritanomaly

16.2975, 0.1979, 0.2324

Monochromacy



Original Color

16.8155, 0.1748, 0.1490

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.5580, 0.2214, 0.2343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8155, 0.1748, 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(1, 110, 229)` looks like.

```
.text, #text, p{  
    color:rgb(1, 110, 229)  
}
```

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, 110, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 110, 229) }
```

Border

The CSS property to change the border of an element to Yxy 16.8155, 0.1748, 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(1, 110, 229) }
```

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

```
.border{ border-color:rgb(1, 110, 229) }
```

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

Here you see how a box with a 4 pixel rgb(1, 110, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 110, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 110, 229);  
box-shadow:4px 4px 4px 4px rgb(1, 110,  
229) }
```

Background

The CSS property to change the background color of an element to Yxy 16.8155, 0.1748, 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(1, 110, 229) }
```

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

```
.background{ background-color: rgb(1, 110,  
229) }
```

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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