

Converting Colors

$Yxy(12.5423, 0.1239, 0.1245)$

Have a look what the booklet for
Yxy(12.5423, 0.1239, 0.1245)
contains.

Yxy(16.1725, 0.1735, 0.1447)	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>	29

Color

Yxy(16.1725, 0.1735, 0.1447)

Conversions

Conversions Part 1

Format	Color
Hex	006BE5
RGB	0, 107, 229
RGB Percent	0%, 42%, 90%
CMY	1.0000, 0.5803, 0.1021
CMYK	1.00, 0.53, 0.00, 0.10
HSL	212°, 100%, 45%
HSV	212°, 100%, 90%
XYZ	19.3914, 16.1725, 76.2019
YIQ	88.9150, -102.9340, 15.2580

Conversions

Conversions Part 2

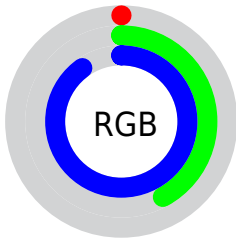
Format	Color
RYB	0, 73, 229
Decimal	27621
CIELab	47.20, 21.93, -68.60
CIELCh	47, 72.024, 287.730
Yxy	16.1725, 0.1735, 0.1447
Android (android.graphics.Color)	4278217701 (0xFF006BE5)
YUV	88.9150, 69.0619, -77.9785
Hunter-Lab	40.2150, 15.6948, -84.1957

Details

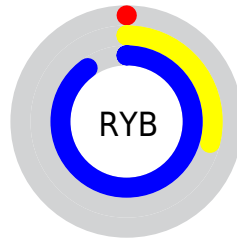
The Yxy color **16.1725, 0.1735, 0.1447** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **30.5560, 0.5331, 0.4149**, and the grayscale version is **9.8351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7379, 0.2126, 0.2039**, and **6.3160, 0.1651, 0.1144** is the 20% darker color. If you saturate the color by 10%, you get **16.1761, 0.1735, 0.1447**, and if you desaturate by 10%, it is **19.0823, 0.1806, 0.1633**.

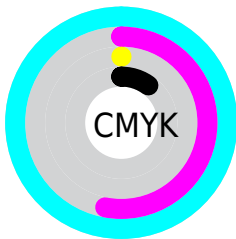
Distribution



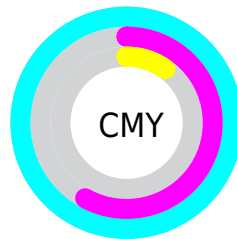
- Red (0%)
- Green (42%)
- Blue (90%)



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



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (58%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.1725, 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 16.1725, 0.1735, 0.1447 by changing the saturation by 10% instead.

■ 16.1725, 0.1735,
0.1447

■ 16.1725, 0.1735,
0.1447

■ 230.3575, 0.2481,
0.2367

■ 9.6463, 0.1550,
0.1240

■ 36.8974, 0.2009,
0.1769

■ 5.1651, 0.1321,
0.0995

■ 51.8649, 0.2112,
0.1895

■ 2.3444, 0.1039,
0.0713

■ 70.4150, 0.2199,
0.2002

■ 0.7971, 0.0703,
0.0406

■ 92.9320, 0.2272,
0.2095

■ 0.0000, 0.0227,
0.0000

■ 119.8004, 0.2336,
0.2177

■ 0.0000, 0.0000,
0.0000

151.4045, 0.2391,

0.2248

188.1287, 0.2439,
0.2311

■ 16.1725, 0.1735,
0.1447

■ 16.1725, 0.1735,
0.1447

■ 16.1761, 0.1735,
0.1447

■ 19.0823, 0.1806,
0.1633

■ 22.5753, 0.1901,
0.1832

■ 26.7370, 0.2020,
0.2040

■ 31.6196, 0.2160,
0.2249

■ 37.2686, 0.2314,
0.2454

■ 43.7246, 0.2478,
0.2650

■ 51.0249, 0.2644,
0.2833

■ 59.2040, 0.2811,
0.3001

■ 68.2943, 0.2972,
0.3154

Harmonies

Analogous

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



16.1725, 0.1201, 0.1503



16.1725, 0.1735, 0.1447



16.1725, 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.



16.1725, 0.1735, 0.1447



16.1725, 0.5756, 0.3706



16.1725, 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.



16.1725, 0.1735, 0.1447



30.5560, 0.5331, 0.4149

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.



16.1725, 0.2942, 0.5948



16.1725, 0.1735, 0.1447



16.1725, 0.5167, 0.4614

Square

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



16.1725, 0.1735, 0.1447



16.1725, 0.5453, 0.2925



16.1725, 0.4118, 0.5574



16.1725, 0.1211, 0.3044

Rectangle

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



16.1725, 0.1735, 0.1447



16.1725, 0.3694, 0.2015



16.1725, 0.4118, 0.5574



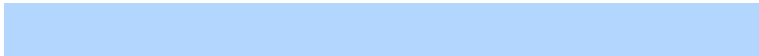
16.1725, 0.2193, 0.5353

Sweetspot

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



16.1761, 0.1735, 0.1447



64.9686, 0.2641, 0.2830



57.3341, 0.2715, 0.4973



13.0329, 0.2571, 0.2754



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.



16.1761, 0.1735, 0.1447



20.4605, 0.1733, 0.1437



5.6798, 0.1504, 0.0602



14.9923, 0.2981, 0.3162



9.4882, 0.1743, 0.1475



0.8857, 0.1820, 0.1750

Inverse Universe

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



17.7143, 0.5128, 0.2599



22.5966, 0.5142, 0.2606



72.0504, 0.4164, 0.5076



14.4796, 0.3219, 0.3181



10.1555, 0.5092, 0.2579



0.7691, 0.4745, 0.2388

Previews

White Background



This preview shows how the Yxy color 16.1725, 0.1735, 0.1447 looks on a white background.

Color Contrast Check

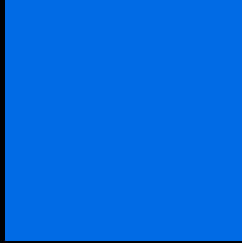
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1725, 0.1735, 0.1447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

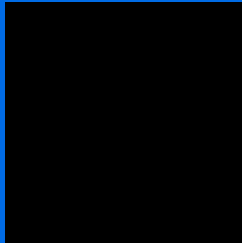
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1725, 0.1735, 0.1447

Background



This preview shows how black text looks on a background with the Yxy color 16.1725, 0.1735, 0.1447.



This preview shows how white text looks on a background with the Yxy color 16.1725, 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

16.1725, 0.1735, 0.1447

Deuteranopia

16.0658, 0.1845, 0.1842

Tritanopia

16.0812, 0.2196, 0.3105

Trichromacy



Original Color

16.1725, 0.1735, 0.1447

Deuteranomaly

15.9723, 0.1797, 0.1670

Tritanomaly

15.7469, 0.1976, 0.2313

Monochromacy



Original Color

16.1725, 0.1735, 0.1447

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.1290, 0.2203, 0.2312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1725, 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, 107, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 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(0, 107, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 229) }
```

Border

The CSS property to change the border of an element to Yxy 16.1725, 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, 107, 229) }
```

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

```
.border{ border-color:rgb(0, 107, 229) }
```

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

Here you see how a box with a 4 pixel rgb(0, 107, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 107,  
229) }
```

Background

The CSS property to change the background color of an element to Yxy 16.1725, 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, 107, 229) }
```

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

```
.background{ background-color: rgb(0, 107,  
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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