

Converting Colors

$Yxy(16.5813, 0.1799, 0.1676)$

Have a look what the booklet for
Yxy(16.5813, 0.1799, 0.1676)
contains.

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Color

Yxy(16.5637, 0.1799, 0.1675)

Conversions

Conversions Part 1

Format	Color
Hex	0071D4
RGB	0, 113, 212
RGB Percent	0%, 44%, 83%
CMY	0.9985, 0.5569, 0.1687
CMYK	1.00, 0.47, 0.00, 0.17
HSL	208°, 100%, 42%
HSV	208°, 100%, 83%
XYZ	17.7899, 16.5637, 64.5342
YIQ	90.4990, -99.1270, 6.8330

Conversions

Conversions Part 2

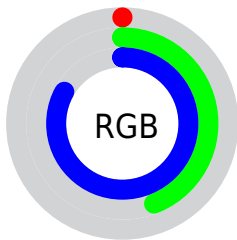
Format	Color
RYB	0, 74, 212
Decimal	29140
CIELab	47.71, 11.42, -58.16
CIELCh	48, 59.272, 281.106
Yxy	16.5637, 0.1799, 0.1675
Android (android.graphics.Color)	4278219220 (0xFF0071D4)
YUV	90.4990, 59.9000, -79.3676
Hunter-Lab	40.6985, 6.8025, -65.5250

Details

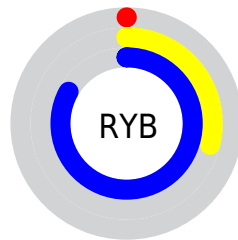
The Yxy color **16.5637, 0.1799, 0.1675** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **22.9883, 0.5512, 0.4004**, and the grayscale version is **10.2476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5376, 0.2121, 0.2113**, and **6.3308, 0.1707, 0.1345** is the 20% darker color. If you saturate the color by 10%, you get **16.5221, 0.1798, 0.1672**, and if you desaturate by 10%, it is **19.0623, 0.1866, 0.1846**.

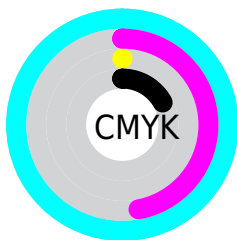
Distribution



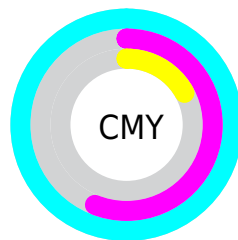
- Red (0%)
- Green (44%)
- Blue (83%)



- Red (0%)
- Yellow (29%)
- Blue (83%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (56%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.5637, 0.1799, 0.1675 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 16.5637, 0.1799, 0.1675 by changing the saturation by 10% instead.

■ 16.5637, 0.1799,
0.1675

■ 16.5637, 0.1799,
0.1675

■ 232.6454, 0.2517,
0.2516

■ 9.9239, 0.1616,
0.1471

■ 37.5741, 0.2066,
0.1980

■ 5.3485, 0.1384,
0.1221

■ 52.7135, 0.2165,
0.2095

■ 2.4532, 0.1093,
0.0916

■ 71.4549, 0.2248,
0.2193

■ 0.8530, 0.0734,
0.0562

■ 94.1826, 0.2319,
0.2277

■ 0.0000, 0.0050,
0.0000

■ 121.2812, 0.2379,
0.2349

■ 0.0000, 0.0000,
0.0000

153.1349, 0.2431,

0.2412

190.1282, 0.2477,
0.2467

■ 16.5637, 0.1799,
0.1675

■ 16.5637, 0.1799,
0.1675

■ 16.5221, 0.1798,
0.1672

■ 19.0623, 0.1866,
0.1846

■ 21.9893, 0.1955,
0.2024

■ 25.4099, 0.2066,
0.2207

■ 29.3635, 0.2196,
0.2390

■ 33.8839, 0.2341,
0.2568

■ 39.0016, 0.2496,
0.2737

■ 44.7442, 0.2656,
0.2895

■ 51.1374, 0.2817,
0.3041

■ 58.2051, 0.2976,
0.3173

Harmonies

Analogous

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



16.5637, 0.1386, 0.1812



16.5637, 0.1799, 0.1675



16.5637, 0.2599, 0.1836

Triad

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



16.5637, 0.1799, 0.1675



16.5637, 0.5361, 0.3589



16.5637, 0.2291, 0.4783

Complementary

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



16.5637, 0.1799, 0.1675



22.9883, 0.5512, 0.4004

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.



16.5637, 0.3285, 0.5470



16.5637, 0.1799, 0.1675



16.5637, 0.5079, 0.4364

Square

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



16.5637, 0.1799, 0.1675



16.5637, 0.4868, 0.2878



16.5637, 0.4291, 0.5128



16.5637, 0.1588, 0.3413

Rectangle

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



16.5637, 0.1799, 0.1675



16.5637, 0.3343, 0.2092



16.5637, 0.4291, 0.5128



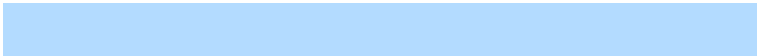
16.5637, 0.2604, 0.5136

Sweetspot

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



16.5642, 0.1799, 0.1675



67.5188, 0.2648, 0.2888



47.9834, 0.2759, 0.5131



13.6352, 0.2579, 0.2822



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.



16.5642, 0.1799, 0.1675



24.7474, 0.1793, 0.1655



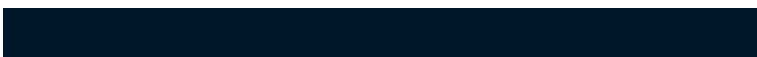
4.9163, 0.1506, 0.0619



13.0921, 0.2982, 0.3178



10.4043, 0.1805, 0.1696



0.7926, 0.1887, 0.1994

Inverse Universe

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



15.1947, 0.4837, 0.2439



23.0294, 0.4862, 0.2452



57.6233, 0.4252, 0.5005



12.5302, 0.3209, 0.3167



9.3952, 0.4812, 0.2424



0.5833, 0.4460, 0.2231

Previews

White Background



This preview shows how the Yxy color 16.5637, 0.1799, 0.1675 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 16.5637, 0.1799, 0.1675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

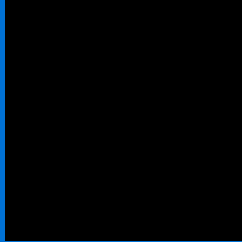
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5637, 0.1799, 0.1675

Background



This preview shows how black text looks on a background with the Yxy color 16.5637, 0.1799, 0.1675.



This preview shows how white text looks on a background with the Yxy color 16.5637, 0.1799, 0.1675.

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

16.5637, 0.1799, 0.1675

Protanopia

16.5155, 0.1938, 0.1699

Deuteranopia

16.5257, 0.1835, 0.1806



Tritanopia

16.3885, 0.2190, 0.3085

Trichromacy



Original Color

16.5637, 0.1799, 0.1675

Protanomaly

16.2064, 0.1858, 0.1676

Deuteranomaly

16.4909, 0.1819, 0.1748

Tritanomaly

16.2834, 0.2016, 0.2457

Monochromacy



Original Color

16.5637, 0.1799, 0.1675

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.5725, 0.2263, 0.2475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5637, 0.1799, 0.1675 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, 113, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 212)  
}
```

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, 113, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 212) }
```

Border

The CSS property to change the border of an element to Yxy 16.5637, 0.1799, 0.1675 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, 113, 212) }
```

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

```
.border{ border-color:rgb(0, 113, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 113, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5637, 0.1799, 0.1675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 212) }
```

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

```
.background{ background-color: rgb(0, 113,  
212) }
```

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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