

Converting Colors

$Yxy(13.0458, 0.1263, 0.1398)$

Have a look what the booklet for
Yxy(13.0458, 0.1263, 0.1398)
contains.

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Color

Yxy(16.4308, 0.1775, 0.1591)

Conversions

Conversions Part 1

Format	Color
Hex	006FDA
RGB	0, 111, 218
RGB Percent	0%, 44%, 85%
CMY	1.0000, 0.5646, 0.1452
CMYK	1.00, 0.49, 0.00, 0.15
HSL	209°, 100%, 43%
HSV	209°, 100%, 85%
XYZ	18.3310, 16.4308, 68.5116
YIQ	90.0090, -100.5030, 9.7450

Conversions

Conversions Part 2

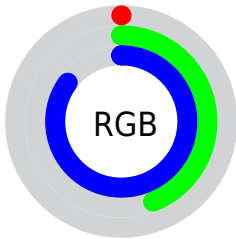
Format	Color
RYB	0, 74, 218
Decimal	28634
CIELab	47.53, 15.02, -61.84
CIELCh	48, 63.638, 283.656
Yxy	16.4308, 0.1775, 0.1591
Android (android.graphics.Color)	4278218714 (0xFF006FDA)
YUV	90.0090, 63.0996, -78.9379
Hunter-Lab	40.5349, 9.7866, -71.8367

Details

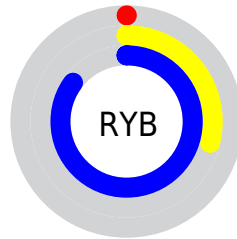
The Yxy color **16.4308, 0.1775, 0.1591** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **25.4038, 0.5451, 0.4054**, and the grayscale version is **10.1020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9442, 0.2124, 0.2088**, and **6.3892, 0.1690, 0.1284** is the 20% darker color. If you saturate the color by 10%, you get **16.4342, 0.1775, 0.1591**, and if you desaturate by 10%, it is **19.0783, 0.1844, 0.1768**.

Distribution



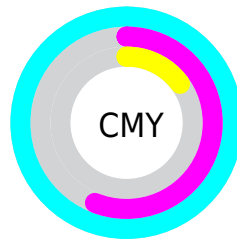
- Red (0%)
- Green (44%)
- Blue (85%)



- Red (0%)
- Yellow (29%)
- Blue (85%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (56%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4308, 0.1775, 0.1591 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 16.4308, 0.1775, 0.1591 by changing the saturation by 10% instead.

■ 16.4308, 0.1775,
0.1591

■ 16.4308, 0.1775,
0.1591

231.8705, 0.2504,
0.2463

■ 9.8295, 0.1591,
0.1385

■ 37.3445, 0.2045,
0.1903

■ 5.2861, 0.1360,
0.1136

■ 52.4257, 0.2146,
0.2023

■ 2.4161, 0.1072,
0.0838

■ 71.1023, 0.2230,
0.2124

■ 0.8341, 0.0721,
0.0501

■ 93.7587, 0.2302,
0.2212

■ 0.0000, 0.0126,
0.0000

■ 120.7794, 0.2363,
0.2287

■ 0.0000, 0.0000,
0.0000

152.5486, 0.2416,

0.2353

189.4509, 0.2463,
0.2411

■ 16.4308, 0.1775,
0.1591

■ 16.4308, 0.1775,
0.1591

■ 16.4342, 0.1775,
0.1591

■ 19.0783, 0.1844,
0.1768

■ 22.2012, 0.1935,
0.1954

■ 25.8742, 0.2048,
0.2146

■ 30.1409, 0.2182,
0.2338

■ 35.0388, 0.2330,
0.2526

■ 40.6016, 0.2488,
0.2705

■ 46.8601, 0.2650,
0.2872

■ 53.8429, 0.2813,
0.3025

■ 61.5764, 0.2973,
0.3165

Harmonies

Analogous

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



16.4308, 0.1317, 0.1698



16.4308, 0.1775, 0.1591



16.4308, 0.2650, 0.1784

Triad

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



16.4308, 0.1775, 0.1591



16.4308, 0.5511, 0.3638



16.4308, 0.2140, 0.4800

Complementary

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



16.4308, 0.1775, 0.1591



25.4038, 0.5451, 0.4054

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.



16.4308, 0.3170, 0.5635



16.4308, 0.1775, 0.1591



16.4308, 0.5123, 0.4457

Square

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



16.4308, 0.1775, 0.1591



16.4308, 0.5074, 0.2898



16.4308, 0.4240, 0.5284



16.4308, 0.1450, 0.3287

Rectangle

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



16.4308, 0.1775, 0.1591



16.4308, 0.3462, 0.2065



16.4308, 0.4240, 0.5284



16.4308, 0.2461, 0.5217

Sweetspot

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



16.4342, 0.1775, 0.1591



66.6105, 0.2646, 0.2868



51.1526, 0.2745, 0.5082



13.4203, 0.2576, 0.2798



0.0000, 0.0000, 0.0000



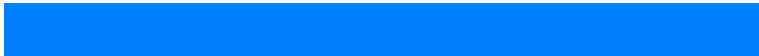
21.4041, 0.3127, 0.3290

Same Dimension

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



16.4342, 0.1775, 0.1591



23.1551, 0.1771, 0.1576



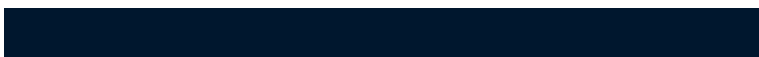
5.1391, 0.1503, 0.0608



13.7082, 0.2982, 0.3172



10.0652, 0.1783, 0.1617



0.8244, 0.1863, 0.1908

Inverse Universe

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



16.0485, 0.4942, 0.2496



22.8687, 0.4961, 0.2506



63.1625, 0.4223, 0.5029



13.1617, 0.3212, 0.3172



9.6399, 0.4910, 0.2479



0.6419, 0.4558, 0.2285

Previews

White Background



This preview shows how the Yxy color 16.4308, 0.1775, 0.1591 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 16.4308, 0.1775, 0.1591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

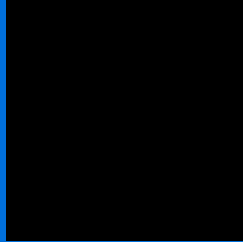
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4308, 0.1775, 0.1591

Background



This preview shows how black text looks on a background with the Yxy color 16.4308, 0.1775, 0.1591.



This preview shows how white text looks on a background with the Yxy color 16.4308, 0.1775, 0.1591.

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

16.4308, 0.1775, 0.1591

Protanopia

16.5474, 0.1870, 0.1620

Deuteranopia

16.4316, 0.1841, 0.1827



Tritanopia

16.3607, 0.2196, 0.3106

Trichromacy



Original Color

16.4308, 0.1775, 0.1591

Protanomaly

16.4168, 0.1818, 0.1607

Deuteranomaly

16.5396, 0.1816, 0.1739

Tritanomaly

16.1133, 0.2001, 0.2403

Monochromacy



Original Color

16.4308, 0.1775, 0.1591

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.4114, 0.2235, 0.2413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4308, 0.1775, 0.1591 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, 111, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 218)  
}
```

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, 111, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 218) }
```

Border

The CSS property to change the border of an element to Yxy 16.4308, 0.1775, 0.1591 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, 111, 218) }
```

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

```
.border{ border-color:rgb(0, 111, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4308, 0.1775, 0.1591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 218) }
```

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

```
.background{ background-color: rgb(0, 111,  
218) }
```

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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