

Converting Colors

$Yxy(15.0383, 0.1856, 0.1880)$

Have a look what the booklet for
Yxy(15.0383, 0.1856, 0.1880)
contains.

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Color

Yxy(15.0430, 0.1855, 0.1876)

Conversions

Conversions Part 1

Format	Color
Hex	006FBD
RGB	0, 111, 189
RGB Percent	0%, 44%, 74%
CMY	0.9981, 0.5648, 0.2588
CMYK	1.00, 0.41, 0.00, 0.26
HSL	205°, 99%, 37%
HSV	205°, 100%, 74%
XYZ	14.8746, 15.0430, 50.2690
YIQ	86.7030, -91.1940, 0.7260

Conversions

Conversions Part 2

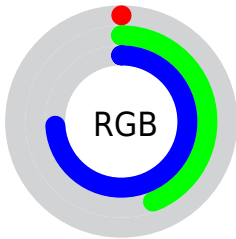
Format	Color
RYB	0, 70, 189
Decimal	28605
CIELab	45.69, 3.53, -48.21
CIELCh	46, 48.338, 274.186
Yxy	15.0430, 0.1855, 0.1876
Android (android.graphics.Color)	4278218685 (0xFF006FBD)
YUV	86.7030, 50.4324, -76.0385
Hunter-Lab	38.7853, 0.5825, -49.6950

Details

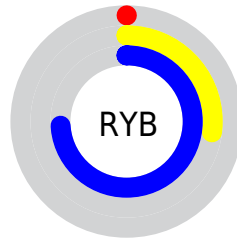
The Yxy color **15.0430, 0.1855, 0.1876** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.3412, 0.5654, 0.3890**, and the grayscale version is **9.3990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8742, 0.2120, 0.2164**, and **5.4161, 0.1760, 0.1536** is the 20% darker color. If you saturate the color by 10%, you get **14.9974, 0.1853, 0.1872**, and if you desaturate by 10%, it is **16.9648, 0.1919, 0.2030**.

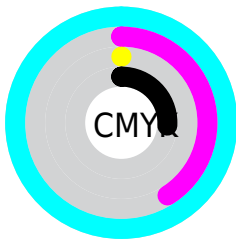
Distribution



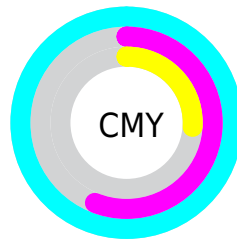
- Red (0%)
- Green (44%)
- Blue (74%)



- Red (0%)
- Yellow (27%)
- Blue (74%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (56%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0430, 0.1855, 0.1876 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 15.0430, 0.1855, 0.1876 by changing the saturation by 10% instead.

■ 15.0430, 0.1855,
0.1876

■ 15.0430, 0.1855,
0.1876

■ 223.6263, 0.2559,
0.2649

■ 8.8496, 0.1666,
0.1672

■ 34.9286, 0.2123,
0.2168

■ 4.6432, 0.1422,
0.1412

■ 49.3896, 0.2221,
0.2275

■ 2.0395, 0.1105,
0.1077

■ 67.3751, 0.2302,
0.2364

■ 0.6303, 0.0695,
0.0640

■ 89.2697, 0.2370,
0.2439

■ 0.0000, 0.0000,
0.0000

■ 115.4578, 0.2428,
0.2503

■ 146.3236, 0.2478,

0.2559

182.2517, 0.2521,
0.2607

■ 15.0430, 0.1855,
0.1876

■ 15.0430, 0.1855,
0.1876

■ 14.9974, 0.1853,
0.1872

■ 16.9648, 0.1919,
0.2030

■ 19.1753, 0.2001,
0.2188

■ 21.7252, 0.2105,
0.2348

■ 24.6421, 0.2227,
0.2507

■ 27.9499, 0.2364,
0.2662

■ 31.6700, 0.2512,
0.2809

■ 35.8217, 0.2666,
0.2946

■ 40.4229, 0.2822,
0.3073

■ 45.4904, 0.2978,
0.3188

Harmonies

Analogous

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



15.0430, 0.1550, 0.2088



15.0430, 0.1855, 0.1876



15.0430, 0.2491, 0.1957

Triad

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



15.0430, 0.1855, 0.1876



15.0430, 0.4995, 0.3452



15.0430, 0.2625, 0.4722

Complementary

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



15.0430, 0.1855, 0.1876



16.3412, 0.5654, 0.3890

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.



15.0430, 0.3523, 0.5121



15.0430, 0.1855, 0.1876



15.0430, 0.4938, 0.4134

Square

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



15.0430, 0.1855, 0.1876



15.0430, 0.4412, 0.2816



15.0430, 0.4367, 0.4782



15.0430, 0.1916, 0.3673

Rectangle

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



15.0430, 0.1855, 0.1876



15.0430, 0.3091, 0.2153



15.0430, 0.4367, 0.4782



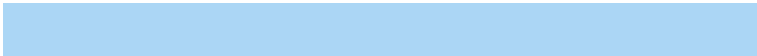
15.0430, 0.2916, 0.4951

Sweetspot

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



15.0434, 0.1855, 0.1876



63.5783, 0.2654, 0.2936



36.9228, 0.2813, 0.5324



12.9828, 0.2589, 0.2879



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



15.0434, 0.1855, 0.1876



26.3729, 0.1847, 0.1849



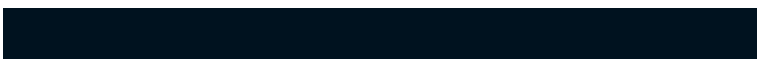
4.1546, 0.1520, 0.0670



10.1295, 0.2984, 0.3193



10.2431, 0.1859, 0.1892



0.5274, 0.1962, 0.2262

Inverse Universe

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



11.9778, 0.4595, 0.2307



21.3746, 0.4627, 0.2323



39.6293, 0.4379, 0.4903



9.6276, 0.3199, 0.3156



8.0637, 0.4577, 0.2295



0.3286, 0.4166, 0.2069

Previews

White Background



This preview shows how the Yxy color 15.0430, 0.1855, 0.1876 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 15.0430, 0.1855, 0.1876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

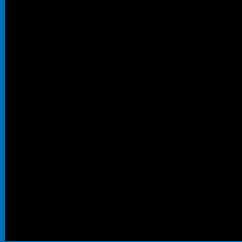
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0430, 0.1855, 0.1876

Background



This preview shows how black text looks on a background with the Yxy color 15.0430, 0.1855, 0.1876.



This preview shows how white text looks on a background with the Yxy color 15.0430, 0.1855, 0.1876.

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

15.0430, 0.1855, 0.1876

Protanopia

15.0197, 0.2094, 0.1903

Deuteranopia

15.0235, 0.1915, 0.1862



Tritanopia

14.9915, 0.2195, 0.3100

Trichromacy



Original Color

15.0430, 0.1855, 0.1876

Protanomaly

14.6649, 0.1950, 0.1870

Deuteranomaly

15.0202, 0.1883, 0.1868

Tritanomaly

14.9246, 0.2049, 0.2578

Monochromacy



Original Color

15.0430, 0.1855, 0.1876

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.6617, 0.2320, 0.2617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0430, 0.1855, 0.1876 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 189) }
```

Border

The CSS property to change the border of an element to Yxy 15.0430, 0.1855, 0.1876 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, 189) }
```

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

```
.border{ border-color:rgb(0, 111, 189) }
```

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, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0430, 0.1855, 0.1876 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, 189) }
```

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

```
.background{ background-color: rgb(0, 111,  
189) }
```

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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