

Converting Colors

$Yxy(15.9137, 0.1935, 0.2165)$

Have a look what the booklet for
Yxy(15.9137, 0.1935, 0.2165)
contains.

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Color

Yxy(15.8572, 0.1933, 0.2159)

Conversions

Conversions Part 1

Format	Color
Hex	0075B0
RGB	0, 117, 176
RGB Percent	0%, 46%, 69%
CMY	1.0000, 0.5412, 0.3098
CMYK	1.00, 0.34, 0.00, 0.31
HSL	200°, 100%, 35%
HSV	200°, 100%, 69%
XYZ	14.1973, 15.8572, 43.3925
YIQ	88.7430, -88.6710, -6.4550

Conversions

Conversions Part 2

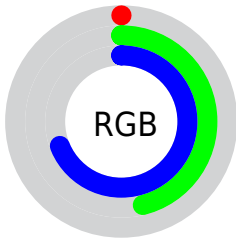
Format	Color
RYB	0, 70, 176
Decimal	30128
CIELab	46.79, -5.34, -38.93
CIELCh	47, 39.291, 262.191
Yxy	15.8572, 0.1933, 0.2159
Android (android.graphics.Color)	4278220208 (0xFF0075B0)
YUV	88.7430, 43.0177, -77.8276
Hunter-Lab	39.8211, -6.0468, -36.7327

Details

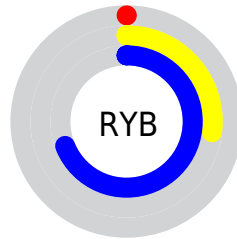
The Yxy color **15.8572, 0.1933, 0.2159** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.3602, 0.5866, 0.3724**, and the grayscale version is **9.8493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4263, 0.2188, 0.2410**, and **5.6863, 0.1844, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **15.8584, 0.1933, 0.2159**, and if you desaturate by 10%, it is **17.4020, 0.1988, 0.2284**.

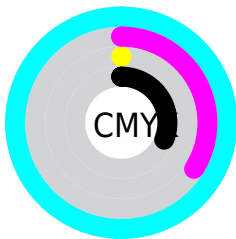
Distribution



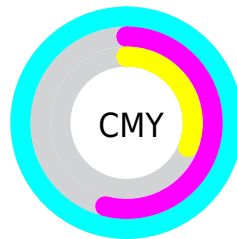
- Red (0%)
- Green (46%)
- Blue (69%)



- Red (0%)
- Yellow (27%)
- Blue (69%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (54%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8572, 0.1933, 0.2159 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 15.8572, 0.1933, 0.2159 by changing the saturation by 10% instead.

15.8572, 0.1933,
0.2159

15.8572, 0.1933,
0.2159

228.4976, 0.2595,
0.2798

9.4232, 0.1751,
0.1979

36.3501, 0.2187,
0.2408

5.0182, 0.1513,
0.1738

51.1778, 0.2279,
0.2496

2.2580, 0.1194,
0.1411

69.5721, 0.2355,
0.2569

0.7513, 0.0744,
0.0957

91.9175, 0.2419,
0.2630

0.0000, 0.0000,
0.0000

118.5984, 0.2473,
0.2682

149.9991, 0.2519,

0.2726

186.5040, 0.2560,
0.2765

■ 15.8572, 0.1933,
0.2159

■ 15.8572, 0.1933,
0.2159

■ 15.8584, 0.1933,
0.2159

■ 17.4020, 0.1988,
0.2284

■ 19.1451, 0.2060,
0.2411

■ 21.1326, 0.2152,
0.2538

■ 23.3862, 0.2262,
0.2664

■ 25.9246, 0.2388,
0.2786

■ 28.7645, 0.2525,
0.2902

■ 31.9207, 0.2672,
0.3012

■ 35.4072, 0.2823,
0.3113

■ 39.2369, 0.2975,
0.3206

Harmonies

Analogous

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



15.8572, 0.1779, 0.2476



15.8572, 0.1933, 0.2159



15.8572, 0.2367, 0.2122

Triad

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



15.8572, 0.1933, 0.2159



15.8572, 0.4495, 0.3239



15.8572, 0.3037, 0.4606

Complementary

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



15.8572, 0.1933, 0.2159



12.3602, 0.5866, 0.3724

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.



15.8572, 0.3783, 0.4714



15.8572, 0.1933, 0.2159



15.8572, 0.4681, 0.3813

Square

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



15.8572, 0.1933, 0.2159



15.8572, 0.3865, 0.2717



15.8572, 0.4394, 0.4360



15.8572, 0.2356, 0.3949

Rectangle

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



15.8572, 0.1933, 0.2159



15.8572, 0.2804, 0.2232



15.8572, 0.4394, 0.4360



15.8572, 0.3289, 0.4708

Sweetspot

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



15.8584, 0.1933, 0.2159



57.5700, 0.2664, 0.3006



31.3676, 0.2863, 0.5507



11.9539, 0.2603, 0.2962



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



15.8584, 0.1933, 0.2159



28.3237, 0.1927, 0.2138



4.0303, 0.1542, 0.0750



9.1420, 0.2986, 0.3212



11.7451, 0.1937, 0.2172



0.4717, 0.2034, 0.2521

Inverse Universe

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



10.5159, 0.4277, 0.2130



19.0258, 0.4299, 0.2142



29.9984, 0.4520, 0.4793



8.5973, 0.3187, 0.3140



7.7258, 0.4262, 0.2122



0.2534, 0.3902, 0.1923

Previews

White Background



This preview shows how the Yxy color 15.8572, 0.1933, 0.2159 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 15.8572, 0.1933, 0.2159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

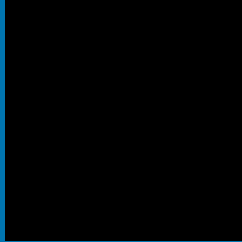
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8572, 0.1933, 0.2159

Background



This preview shows how black text looks on a background with the Yxy color 15.8572, 0.1933, 0.2159.

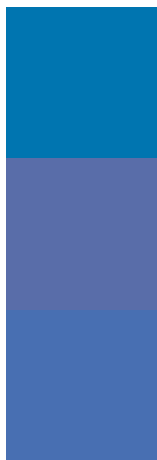


This preview shows how white text looks on a background with the Yxy color 15.8572, 0.1933, 0.2159.

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

15.8572, 0.1933, 0.2159

Protanopia

15.9257, 0.2313, 0.2200

Deuteranopia

15.9609, 0.2138, 0.2081

Trichromacy



Original Color

15.8572, 0.1933, 0.2159

Protanomaly

15.4368, 0.2085, 0.2156

Deuteranomaly

15.5654, 0.2013, 0.2094

Monochromacy



Original Color

15.8572, 0.1933, 0.2159

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.1740, 0.2370, 0.2758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8572, 0.1933, 0.2159 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, 117, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 176)  
}
```

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, 117, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 176) }
```

Border

The CSS property to change the border of an element to Yxy 15.8572, 0.1933, 0.2159 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, 117, 176) }
```

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

```
.border{ border-color:rgb(0, 117, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
176) }
```

Background

The CSS property to change the background color of an element to Yxy 15.8572, 0.1933, 0.2159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 176) }
```

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

```
.background{ background-color: rgb(0, 117,  
176) }
```

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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