

Converting Colors

$Y_{xy}(13.8243, 0.1534, 0.1700)$

Have a look what the booklet for
Yxy(13.8243, 0.1534, 0.1700)
contains.

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Color

Yxy(15.6196, 0.1835, 0.1806)

Conversions

Conversions Part 1

Format	Color
Hex	0070C5
RGB	0, 112, 197
RGB Percent	0%, 44%, 77%
CMY	1.0000, 0.5608, 0.2275
CMYK	1.00, 0.43, 0.00, 0.23
HSL	206°, 100%, 39%
HSV	206°, 100%, 77%
XYZ	15.8704, 15.6196, 54.9973
YIQ	88.2020, -94.0370, 2.6910

Conversions

Conversions Part 2

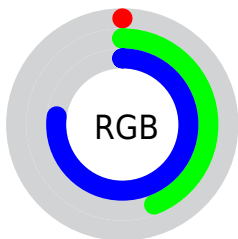
Format	Color
RYB	0, 71, 197
Decimal	28869
CIELab	46.47, 6.06, -51.57
CIELCh	46, 51.924, 276.698
Yxy	15.6196, 0.1835, 0.1806
Android (android.graphics.Color)	4278218949 (0xFF0070C5)
YUV	88.2020, 53.6374, -77.3532
Hunter-Lab	39.5216, 2.5161, -54.8412

Details

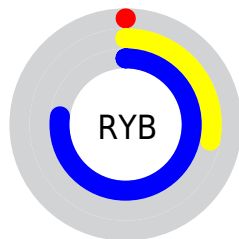
The Yxy color **15.6196, 0.1835, 0.1806** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **18.3644, 0.5614, 0.3924**, and the grayscale version is **9.7021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8915, 0.2105, 0.2104**, and **5.7336, 0.1743, 0.1476** is the 20% darker color. If you saturate the color by 10%, you get **15.6206, 0.1835, 0.1806**, and if you desaturate by 10%, it is **17.7312, 0.1900, 0.1966**.

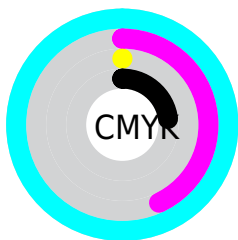
Distribution



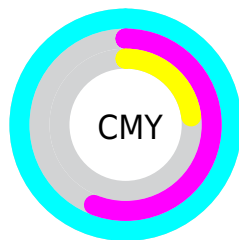
- Red (0%)
- Green (44%)
- Blue (77%)



- Red (0%)
- Yellow (28%)
- Blue (77%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (56%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6196, 0.1835, 0.1806 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 15.6196, 0.1835, 0.1806 by changing the saturation by 10% instead.

■ 15.6196, 0.1835,
0.1806

■ 15.6196, 0.1835,
0.1806

■ 227.0865, 0.2544,
0.2604

■ 9.2554, 0.1648,
0.1602

■ 35.9365, 0.2103,
0.2103

■ 4.9081, 0.1409,
0.1345

■ 50.6580, 0.2201,
0.2213

■ 2.1935, 0.1101,
0.1020

■ 68.9341, 0.2283,
0.2305

■ 0.7164, 0.0716,
0.0619

■ 91.1491, 0.2351,
0.2383

■ 0.0000, 0.0000,
0.0000

■ 117.6875, 0.2410,
0.2450

■ 148.9335, 0.2461,

0.2508

185.2717, 0.2505,
0.2559

■ 15.6196, 0.1835,
0.1806

■ 15.6196, 0.1835,
0.1806

■ 15.6206, 0.1835,
0.1806

■ 17.7312, 0.1900,
0.1966

■ 20.1715, 0.1984,
0.2131

■ 22.9981, 0.2089,
0.2298

■ 26.2425, 0.2214,
0.2465

■ 29.9317, 0.2353,
0.2627

■ 34.0900, 0.2503,
0.2782

■ 38.7392, 0.2659,
0.2926

■ 43.8997, 0.2817,
0.3060

■ 49.5906, 0.2974,
0.3181

Harmonies

Analogous

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



15.6196, 0.1493, 0.1992



15.6196, 0.1835, 0.1806



15.6196, 0.2525, 0.1915

Triad

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



15.6196, 0.1835, 0.1806



15.6196, 0.5123, 0.3502



15.6196, 0.2514, 0.4747

Complementary

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



15.6196, 0.1835, 0.1806



18.3644, 0.5614, 0.3924

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.



15.6196, 0.3447, 0.5236



15.6196, 0.1835, 0.1806



15.6196, 0.4993, 0.4213

Square

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



15.6196, 0.1835, 0.1806



15.6196, 0.4564, 0.2838



15.6196, 0.4348, 0.4897



15.6196, 0.1803, 0.3590

Rectangle

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



15.6196, 0.1835, 0.1806



15.6196, 0.3173, 0.2132



15.6196, 0.4348, 0.4897



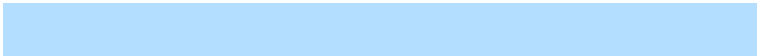
15.6196, 0.2814, 0.5015

Sweetspot

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



15.6206, 0.1835, 0.1806



68.9848, 0.2652, 0.2920



40.5398, 0.2801, 0.5284



13.9828, 0.2584, 0.2859



0.0000, 0.0000, 0.0000



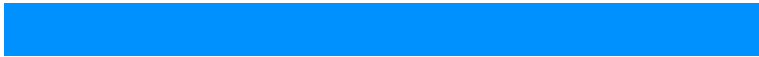
21.4041, 0.3127, 0.3290

Same Dimension

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



15.6206, 0.1835, 0.1806



27.4670, 0.1829, 0.1783



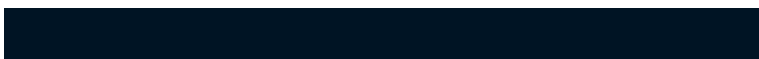
4.4139, 0.1514, 0.0651



11.2716, 0.2983, 0.3188



10.4437, 0.1841, 0.1827



0.6365, 0.1934, 0.2162

Inverse Universe

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



13.0394, 0.4678, 0.2351



23.3039, 0.4706, 0.2366



44.7454, 0.4348, 0.4930



10.7363, 0.3202, 0.3159



8.5943, 0.4654, 0.2337



0.4213, 0.4273, 0.2128

Previews

White Background



This preview shows how the Yxy color 15.6196, 0.1835, 0.1806 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 15.6196, 0.1835, 0.1806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

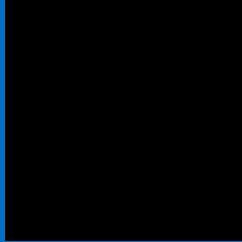
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6196, 0.1835, 0.1806

Background



This preview shows how black text looks on a background with the Yxy color 15.6196, 0.1835, 0.1806.



This preview shows how white text looks on a background with the Yxy color 15.6196, 0.1835, 0.1806.

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

15.6196, 0.1835, 0.1806

Protanopia

15.6608, 0.2043, 0.1842

Deuteranopia

15.7580, 0.1857, 0.1813



Tritanopia

15.5308, 0.2195, 0.3103

Trichromacy



Original Color

15.6196, 0.1835, 0.1806

Protanomaly

15.3902, 0.1920, 0.1814

Deuteranomaly

15.6977, 0.1848, 0.1810

Tritanomaly

15.2900, 0.2036, 0.2528

Monochromacy



Original Color

15.6196, 0.1835, 0.1806

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.9487, 0.2292, 0.2560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6196, 0.1835, 0.1806 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, 112, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 197)  
}
```

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, 112, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 197) }
```

Border

The CSS property to change the border of an element to Yxy 15.6196, 0.1835, 0.1806 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, 112, 197) }
```

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

```
.border{ border-color:rgb(0, 112, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6196, 0.1835, 0.1806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 197) }
```

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

```
.background{ background-color: rgb(0, 112,  
197) }
```

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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