

Converting Colors

$Yxy(15.7386, 0.1768, 0.1564)$

Have a look what the booklet for
Yxy(15.7386, 0.1768, 0.1564)
contains.

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Color

Yxy(15.6830, 0.1767, 0.1561)

Conversions

Conversions Part 1

Format	Color
Hex	006CD8
RGB	0, 108, 216
RGB Percent	0%, 42%, 85%
CMY	1.0000, 0.5764, 0.1531
CMYK	1.00, 0.50, 0.00, 0.15
HSL	210°, 100%, 42%
HSV	210°, 100%, 85%
XYZ	17.7526, 15.6830, 67.0320
YIQ	88.0200, -99.0360, 10.6920

Conversions

Conversions Part 2

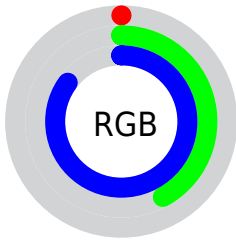
Format	Color
R _{YB}	0, 72, 216
Decimal	27864
CIE Lab	46.56, 16.17, -62.28
CIE LCh	47, 64.350, 284.556
Yxy	15.6830, 0.1767, 0.1561
Android (android.graphics.Color)	4278217944 (0xFF006CD8)
YUV	88.0200, 63.0941, -77.1935
Hunter-Lab	39.6018, 10.7147, -72.6361

Details

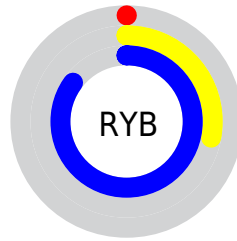
The Yxy color **15.6830, 0.1767, 0.1561** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **25.3083, 0.5423, 0.4076**, and the grayscale version is **9.6405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8411, 0.2111, 0.2047**, and **5.9833, 0.1679, 0.1246** is the 20% darker color. If you saturate the color by 10%, you get **15.6836, 0.1767, 0.1561**, and if you desaturate by 10%, it is **18.2698, 0.1837, 0.1740**.

Distribution



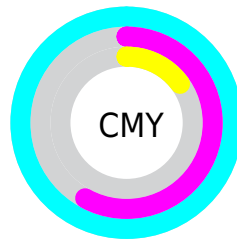
- Red (0%)
- Green (42%)
- Blue (85%)



- Red (0%)
- Yellow (28%)
- Blue (85%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (15%)





- Cyan (100%)
- Magenta (58%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6830, 0.1767, 0.1561 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 15.6830, 0.1767, 0.1561 by changing the saturation by 10% instead.


 15.6830, 0.1767,
0.1561


 15.6830, 0.1767,
0.1561


227.4638, 0.2504,
0.2450


 9.3001, 0.1580,
0.1351


 36.0470, 0.2041,
0.1879


 4.9375, 0.1345,
0.1098


 50.7969, 0.2143,
0.2001


 2.2106, 0.1051,
0.0797

 69.1046, 0.2228,
0.2105

 0.7258, 0.0696,
0.0456

 91.3545, 0.2301,
0.2194

 0.0000, 0.0040,
0.0000

 117.9310, 0.2363,
0.2271

 0.0000, 0.0000,
0.0000

149.2184, 0.2416,

0.2338

185.6012, 0.2463,
0.2397

■ 15.6830, 0.1767,
0.1561

■ 15.6830, 0.1767,
0.1561

■ 15.6836, 0.1767,
0.1561

■ 18.2698, 0.1837,
0.1740

■ 21.3334, 0.1928,
0.1929

■ 24.9451, 0.2043,
0.2124

■ 29.1480, 0.2178,
0.2320

■ 33.9793, 0.2327,
0.2511

■ 39.4724, 0.2486,
0.2694

■ 45.6579, 0.2649,
0.2864

■ 52.5640, 0.2813,
0.3021

■ 60.2171, 0.2973,
0.3163

Harmonies

Analogous

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



15.6830, 0.1293, 0.1657



15.6830, 0.1767, 0.1561



15.6830, 0.2670, 0.1766

Triad

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



15.6830, 0.1767, 0.1561



15.6830, 0.5564, 0.3654



15.6830, 0.2084, 0.4804

Complementary

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



15.6830, 0.1767, 0.1561



25.3083, 0.5423, 0.4076

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.



15.6830, 0.3125, 0.5697



15.6830, 0.1767, 0.1561



15.6830, 0.5135, 0.4490

Square

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



15.6830, 0.1767, 0.1561



15.6830, 0.5151, 0.2905



15.6830, 0.4218, 0.5343



15.6830, 0.1400, 0.3238

Rectangle

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



15.6830, 0.1767, 0.1561



15.6830, 0.3508, 0.2055



15.6830, 0.4218, 0.5343



15.6830, 0.2407, 0.5245

Sweetspot

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



15.6836, 0.1767, 0.1561



66.2467, 0.2645, 0.2859



50.1003, 0.2745, 0.5081



13.3344, 0.2575, 0.2788



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.



15.6836, 0.1767, 0.1561



22.5375, 0.1763, 0.1545



5.0341, 0.1503, 0.0609



13.0246, 0.2982, 0.3170



9.5025, 0.1774, 0.1588



0.7387, 0.1862, 0.1901

Inverse Universe

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



15.6763, 0.4981, 0.2517



22.8063, 0.5001, 0.2528



61.8625, 0.4223, 0.5029



12.5234, 0.3214, 0.3174



9.3041, 0.4947, 0.2499



0.5779, 0.4566, 0.2289

Previews

White Background



This preview shows how the Yxy color 15.6830, 0.1767, 0.1561 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 15.6830, 0.1767, 0.1561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

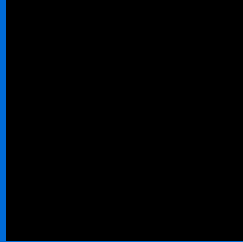
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6830, 0.1767, 0.1561

Background



This preview shows how black text looks on a background with the Yxy color 15.6830, 0.1767, 0.1561.



This preview shows how white text looks on a background with the Yxy color 15.6830, 0.1767, 0.1561.

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

15.6830, 0.1767, 0.1561

Protanopia

15.7210, 0.1841, 0.1576

Deuteranopia

15.5739, 0.1838, 0.1817



Tritanopia

15.5308, 0.2195, 0.3103

Trichromacy



Original Color

15.6830, 0.1767, 0.1561

Protanomaly

15.6829, 0.1802, 0.1567

Deuteranomaly

15.6807, 0.1813, 0.1727

Tritanomaly

15.2958, 0.1996, 0.2387

Monochromacy



Original Color

15.6830, 0.1767, 0.1561

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.7744, 0.2227, 0.2376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6830, 0.1767, 0.1561 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, 108, 216)` looks like.

```
.text, #text, p{  
  color:rgb(0, 108, 216)  
}
```

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, 108, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 216) }
```

Border

The CSS property to change the border of an element to Yxy 15.6830, 0.1767, 0.1561 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, 108, 216) }
```

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

```
.border{ border-color:rgb(0, 108, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6830, 0.1767, 0.1561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 216) }
```

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

```
.background{ background-color: rgb(0, 108,  
216) }
```

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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