

Converting Colors

$Yxy(16.4420, 0.1867, 0.1919)$

Have a look what the booklet for
Yxy(16.4420, 0.1867, 0.1919)
contains.

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Color

Yxy(16.3923, 0.1865, 0.1912)

Conversions

Conversions Part 1

Format	Color
Hex	0174C2
RGB	1, 116, 194
RGB Percent	0%, 45%, 76%
CMY	0.9980, 0.5450, 0.2393
CMYK	1.00, 0.40, 0.00, 0.24
HSL	204°, 99%, 38%
HSV	204°, 100%, 76%
XYZ	15.9894, 16.3923, 53.3521
YIQ	90.5070, -93.5780, -0.1220

Conversions

Conversions Part 2

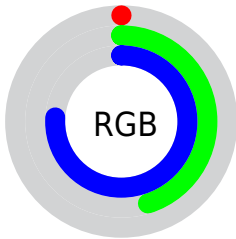
Format	Color
R_{YB}	1, 73, 194
Decimal	95426
CIE Lab	47.49, 2.37, -48.22
CIE LCh	47, 48.276, 272.818
Yxy	16.3923, 0.1865, 0.1912
Android (android.graphics.Color)	4278285506 (0xFF0174C2)
YUV	90.5070, 51.0220, -78.4976
Hunter-Lab	40.4874, -0.3595, -49.7880

Details

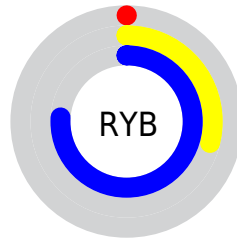
The Yxy color **16.3923, 0.1865, 0.1912** is a dark color, and the websafe version is hex **336699**. The color can be described as dark washed azure. A complement of this color would be **16.9857, 0.5687, 0.3863**, and the grayscale version is **10.2106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4571, 0.2128, 0.2200**, and **6.1497, 0.1775, 0.1591** is the 20% darker color. If you saturate the color by 10%, you get **16.3422, 0.1863, 0.1908**, and if you desaturate by 10%, it is **18.4164, 0.1927, 0.2062**.

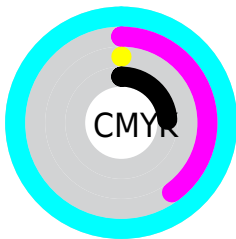
Distribution



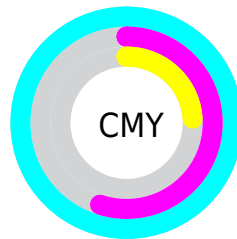
- Red (0%)
- Green (45%)
- Blue (76%)



- Red (0%)
- Yellow (29%)
- Blue (76%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (55%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3923, 0.1865, 0.1912 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 16.3923, 0.1865, 0.1912 by changing the saturation by 10% instead.

■ 16.3923, 0.1865,
0.1912

■ 16.3923, 0.1865,
0.1912

■ 231.6456, 0.2555,
0.2660

■ 9.8022, 0.1682,
0.1717

■ 37.2779, 0.2126,
0.2193

■ 5.2680, 0.1448,
0.1467

■ 52.3422, 0.2221,
0.2296

■ 2.4053, 0.1144,
0.1146

■ 71.0000, 0.2301,
0.2382

■ 0.8286, 0.0757,
0.0742

■ 93.6357, 0.2368,
0.2455

■ 0.0000, 0.0000,
0.0000

■ 120.6338, 0.2425,
0.2518

■ 152.3785, 0.2474,

0.2571

189.2543, 0.2517,
0.2618

■ 16.3923, 0.1865,
0.1912

■ 16.3923, 0.1865,
0.1912

■ 16.3422, 0.1863,
0.1908

■ 18.4164, 0.1927,
0.2062

■ 20.7405, 0.2008,
0.2216

■ 23.4171, 0.2110,
0.2373

■ 26.4757, 0.2231,
0.2527

■ 29.9414, 0.2366,
0.2678

■ 33.8365, 0.2513,
0.2821

■ 38.1817, 0.2666,
0.2955

■ 42.9955, 0.2822,
0.3078

■ 48.2958, 0.2978,
0.3191

Harmonies

Analogous

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



16.3923, 0.1579, 0.2138



16.3923, 0.1865, 0.1912



16.3923, 0.2473, 0.1979

Triad

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



16.3923, 0.1865, 0.1912



16.3923, 0.4930, 0.3426



16.3923, 0.2682, 0.4708

Complementary

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



16.3923, 0.1865, 0.1912



16.9857, 0.5687, 0.3863

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.



16.3923, 0.3561, 0.5065



16.3923, 0.1865, 0.1912



16.3923, 0.4908, 0.4092

Square

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



16.3923, 0.1865, 0.1912



16.3923, 0.4337, 0.2804



16.3923, 0.4375, 0.4724



16.3923, 0.1973, 0.3714

Rectangle

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



16.3923, 0.1865, 0.1912



16.3923, 0.3051, 0.2163



16.3923, 0.4375, 0.4724



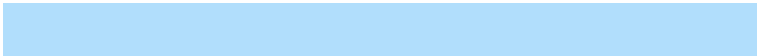
16.3923, 0.2968, 0.4919

Sweetspot

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



16.3928, 0.1865, 0.1912



68.5759, 0.2655, 0.2945



39.1297, 0.2814, 0.5327



14.2592, 0.2588, 0.2889



0.0000, 0.0000, 0.0000



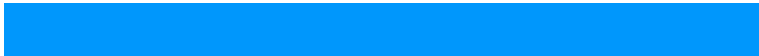
21.4041, 0.3127, 0.3290

Same Dimension

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



16.3928, 0.1865, 0.1912



29.0989, 0.1857, 0.1885



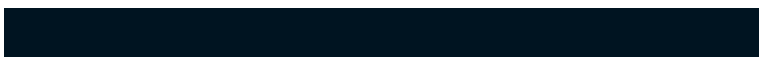
4.3930, 0.1520, 0.0668



10.7254, 0.2984, 0.3195



10.9103, 0.1869, 0.1928



0.6036, 0.1962, 0.2265

Inverse Universe

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



12.7400, 0.4553, 0.2283



23.0047, 0.4585, 0.2299



41.9884, 0.4380, 0.4903



10.1766, 0.3198, 0.3153



8.3836, 0.4535, 0.2272



0.3756, 0.4164, 0.2067

Previews

White Background



This preview shows how the Yxy color 16.3923, 0.1865, 0.1912 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 16.3923, 0.1865, 0.1912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

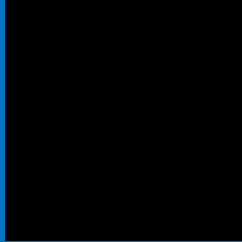
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3923, 0.1865, 0.1912

Background



This preview shows how black text looks on a background with the Yxy color 16.3923, 0.1865, 0.1912.



This preview shows how white text looks on a background with the Yxy color 16.3923, 0.1865, 0.1912.

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

16.3923, 0.1865, 0.1912

Protanopia

16.4882, 0.2132, 0.1957

Deuteranopia

16.5791, 0.1946, 0.1894



Tritanopia

16.3885, 0.2190, 0.3085

Trichromacy



Original Color

16.3923, 0.1865, 0.1912

Protanomaly

16.0099, 0.1973, 0.1920

Deuteranomaly

16.4776, 0.1900, 0.1895

Tritanomaly

16.3194, 0.2051, 0.2582

Monochromacy



Original Color

16.3923, 0.1865, 0.1912

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.3521, 0.2310, 0.2611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3923, 0.1865, 0.1912 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(1, 116, 194)` looks like.

```
.text, #text, p{  
    color:rgb(1, 116, 194)  
}
```

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(1, 116, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 116, 194) }
```

Border

The CSS property to change the border of an element to Yxy 16.3923, 0.1865, 0.1912 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(1, 116, 194) }
```

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

```
.border{ border-color:rgb(1, 116, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 116, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 116, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 116, 194);  
box-shadow:4px 4px 4px 4px rgb(1, 116,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3923, 0.1865, 0.1912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 116, 194) }
```

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

```
.background{ background-color: rgb(1, 116,  
194) }
```

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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