

Converting Colors

$Yxy(13.9661, 0.1109, 0.1594)$

Have a look what the booklet for
Yxy(13.9661, 0.1109, 0.1594)
contains.

Yxy(18.6222, 0.1843, 0.1833)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.6222, 0.1843, 0.1833)

Conversions

Conversions Part 1

Format	Color
Hex	017AD3
RGB	1, 122, 211
RGB Percent	0%, 48%, 83%
CMY	0.9979, 0.5216, 0.1725
CMYK	1.00, 0.42, 0.00, 0.17
HSL	205°, 99%, 41%
HSV	205°, 100%, 83%
XYZ	18.7238, 18.6222, 64.2481
YIQ	95.9670, -100.6850, 2.0270

Conversions

Conversions Part 2

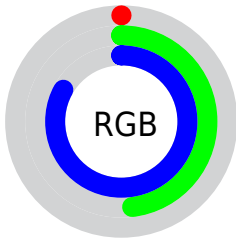
Format	Color
RYB	1, 78, 211
Decimal	96979
CIELab	50.24, 5.40, -53.54
CIELCh	50, 53.812, 275.763
Yxy	18.6222, 0.1843, 0.1833
Android (android.graphics.Color)	4278287059 (0xFF017AD3)
YUV	95.9670, 56.7113, -83.2861
Hunter-Lab	43.1534, 1.9306, -58.0653

Details

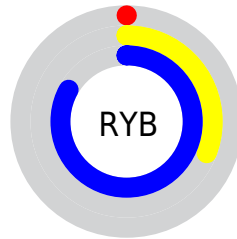
The Yxy color **18.6222, 0.1843, 0.1833** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **21.0927, 0.5640, 0.3901**, and the grayscale version is **11.5300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2588, 0.2152, 0.2247**, and **7.2979, 0.1754, 0.1515** is the 20% darker color. If you saturate the color by 10%, you get **18.5640, 0.1842, 0.1829**, and if you desaturate by 10%, it is **21.0791, 0.1906, 0.1990**.

Distribution



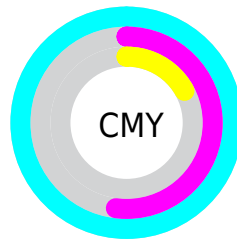
- Red (0%)
- Green (48%)
- Blue (83%)



- Red (0%)
- Yellow (31%)
- Blue (83%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (52%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6222, 0.1843, 0.1833 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 18.6222, 0.1843, 0.1833 by changing the saturation by 10% instead.

■ 18.6222, 0.1843,
0.1833

■ 18.6222, 0.1843,
0.1833

244.3551, 0.2529,
0.2598

■ 11.3976, 0.1668,
0.1643

■ 41.0947, 0.2098,
0.2113

■ 6.3349, 0.1447,
0.1405

■ 57.1114, 0.2192,
0.2219

■ 3.0498, 0.1166,
0.1108

■ 76.8277, 0.2271,
0.2307

■ 1.1578, 0.0814,
0.0745

■ 100.6278, 0.2339,
0.2383

■ 0.0268, 0.0208,
0.0035

■ 128.8962, 0.2397,
0.2448

■ 0.0000, 0.0000,
0.0000

162.0173, 0.2447,

0.2504

200.3754, 0.2491,
0.2554

■ 18.6222, 0.1843,
0.1833

■ 18.6222, 0.1843,
0.1833

■ 18.5640, 0.1842,
0.1829

■ 21.0791, 0.1906,
0.1990

■ 23.9204, 0.1989,
0.2153

■ 27.2085, 0.2094,
0.2318

■ 30.9802, 0.2217,
0.2482

■ 35.2673, 0.2356,
0.2641

■ 40.0981, 0.2506,
0.2793

■ 45.4983, 0.2662,
0.2935

■ 51.4916, 0.2820,
0.3066

■ 58.1003, 0.2977,
0.3185

Harmonies

Analogous

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



18.6222, 0.1515, 0.2029



18.6222, 0.1843, 0.1833



18.6222, 0.2512, 0.1932

Triad

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



18.6222, 0.1843, 0.1833



18.6222, 0.5074, 0.3483



18.6222, 0.2557, 0.4737

Complementary

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



18.6222, 0.1843, 0.1833



21.0927, 0.5640, 0.3901

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.



18.6222, 0.3477, 0.5191



18.6222, 0.1843, 0.1833



18.6222, 0.4972, 0.4183

Square

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



18.6222, 0.1843, 0.1833



18.6222, 0.4505, 0.2830



18.6222, 0.4355, 0.4853



18.6222, 0.1847, 0.3622

Rectangle

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



18.6222, 0.1843, 0.1833



18.6222, 0.3141, 0.2140



18.6222, 0.4355, 0.4853



18.6222, 0.2853, 0.4990

Sweetspot

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



18.6227, 0.1843, 0.1833



69.3278, 0.2652, 0.2927



47.3102, 0.2802, 0.5287



14.0643, 0.2586, 0.2868



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.



18.6227, 0.1843, 0.1833



28.1296, 0.1837, 0.1813



5.1426, 0.1515, 0.0650



12.5342, 0.2983, 0.3189



11.4080, 0.1848, 0.1852



0.7932, 0.1929, 0.2143

Inverse Universe

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



15.2681, 0.4646, 0.2334



23.3708, 0.4670, 0.2346



52.2051, 0.4348, 0.4929



11.9210, 0.3202, 0.3157



9.2229, 0.4623, 0.2320



0.5314, 0.4295, 0.2139

Previews

White Background



This preview shows how the Yxy color 18.6222, 0.1843, 0.1833 looks on a white 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

Black Background



This preview shows how the Yxy color 18.6222, 0.1843, 0.1833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

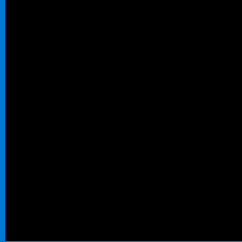
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6222, 0.1843, 0.1833

Background



This preview shows how black text looks on a background with the Yxy color 18.6222, 0.1843, 0.1833.



This preview shows how white text looks on a background with the Yxy color 18.6222, 0.1843, 0.1833.

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

18.6287, 0.1844, 0.1834

Protanopia

18.6040, 0.2069, 0.1871

Deuteranopia

18.7180, 0.1884, 0.1832



Tritanopia

18.4256, 0.2193, 0.3094

Trichromacy



Original Color

18.6287, 0.1844, 0.1834

Protanomaly

18.1657, 0.1934, 0.1839

Deuteranomaly

18.5485, 0.1861, 0.1824

Tritanomaly

18.1915, 0.2039, 0.2540

Monochromacy



Original Color

18.6287, 0.1844, 0.1834

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.9302, 0.2293, 0.2564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6222, 0.1843, 0.1833 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, 122, 211)` looks like.

```
.text, #text, p{  
    color:rgb(1, 122, 211)  
}
```

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, 122, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 122, 211) }
```

Border

The CSS property to change the border of an element to Yxy 18.6222, 0.1843, 0.1833 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, 122, 211) }
```

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

```
.border{ border-color:rgb(1, 122, 211) }
```

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

Here you see how a box with a 4 pixel rgb(1, 122, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 122, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 122, 211);  
box-shadow:4px 4px 4px 4px rgb(1, 122,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6222, 0.1843, 0.1833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 122, 211) }
```

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

```
.background{ background-color: rgb(1, 122,  
211) }
```

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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