

Converting Colors

$Y_{xy}(18.5312, 0.1883, 0.1906)$

Have a look what the booklet for
Yxy(18.5312, 0.1883, 0.1906)
contains.

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Color

Yxy(18.4863, 0.1883, 0.1903)

Conversions

Conversions Part 1

Format	Color
Hex	157ACD
RGB	21, 122, 205
RGB Percent	8%, 48%, 80%
CMY	0.9167, 0.5216, 0.1961
CMYK	0.90, 0.40, 0.00, 0.20
HSL	207°, 81%, 44%
HSV	207°, 90%, 80%
XYZ	18.2920, 18.4863, 60.3646
YIQ	101.2630, -86.8390, 4.4010

Conversions

Conversions Part 2

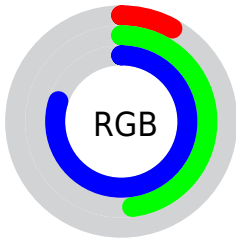
Format	Color
RYB	21, 86, 205
Decimal	1407693
CIELab	50.08, 3.85, -50.37
CIElCh	50, 50.514, 274.366
Yxy	18.4863, 0.1883, 0.1903
Android (android.graphics.Color)	4279597773 (0xFF157ACD)
YUV	101.2630, 51.1423, -70.3907
Hunter-Lab	42.9957, 0.6983, -53.1443

Details

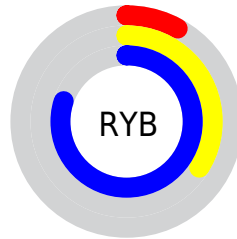
The Yxy color **18.4863, 0.1883, 0.1903** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **22.9863, 0.5329, 0.4044**, and the grayscale version is **12.9855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3757, 0.2160, 0.2249**, and **7.0996, 0.1773, 0.1583** is the 20% darker color. If you saturate the color by 10%, you get **16.1629, 0.1817, 0.1737**, and if you desaturate by 10%, it is **21.1950, 0.1970, 0.2076**.

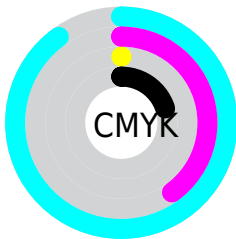
Distribution



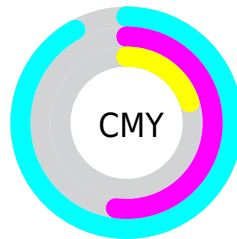
- Red (8%)
- Green (48%)
- Blue (80%)



- Red (8%)
- Yellow (34%)
- Blue (80%)



- Cyan (90%)
- Magenta (40%)
- Yellow (0%)
- Black (20%)



- Cyan (92%)
- Magenta (52%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4863, 0.1883, 0.1903 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 18.4863, 0.1883, 0.1903 by changing the saturation by 10% instead.

■ 18.4863, 0.1883,
0.1903

■ 18.4863, 0.1883,
0.1903

■ 243.5980, 0.2552,
0.2639

■ 11.2997, 0.1710,
0.1716

■ 40.8642, 0.2133,
0.2176

■ 6.2688, 0.1490,
0.1480

■ 56.8244, 0.2225,
0.2277

■ 3.0092, 0.1207,
0.1180

■ 76.4778, 0.2302,
0.2362

■ 1.1365, 0.0846,
0.0805

■ 100.2089, 0.2368,
0.2434

■ 0.0089, 0.0155,
0.0014

■ 128.4020, 0.2424,
0.2497

■ 0.0000, 0.0000,
0.0000

161.4417, 0.2472,

0.2551

199.7122, 0.2515,
0.2598

■ 18.4863, 0.1883,
0.1903

■ 18.4863, 0.1883,
0.1903

■ 16.1629, 0.1817,
0.1737

■ 21.1950, 0.1970,
0.2076

■ 16.0842, 0.1814,
0.1731

■ 24.3462, 0.2079,
0.2252

■ 27.9756, 0.2207,
0.2428

■ 32.1138, 0.2350,
0.2598

■ 36.7880, 0.2503,
0.2761

■ 42.0233, 0.2661,
0.2913

■ 47.8425, 0.2821,
0.3053

■ 54.2671, 0.2979,
0.3180

■ 61.3176, 0.3133,
0.3294

Harmonies

Analogous

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



18.4863, 0.1580, 0.2112



18.4863, 0.1883, 0.1903



18.4863, 0.2510, 0.1984

Triad

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



18.4863, 0.1883, 0.1903



18.4863, 0.4954, 0.3459



18.4863, 0.2636, 0.4677

Complementary

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



18.4863, 0.1883, 0.1903



22.9863, 0.5329, 0.4044

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.



18.4863, 0.3516, 0.5076



18.4863, 0.1883, 0.1903



18.4863, 0.4899, 0.4129

Square

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



18.4863, 0.1883, 0.1903



18.4863, 0.4387, 0.2832



18.4863, 0.4342, 0.4758



18.4863, 0.1940, 0.3659

Rectangle

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



18.4863, 0.1883, 0.1903



18.4863, 0.3100, 0.2177



18.4863, 0.4342, 0.4758



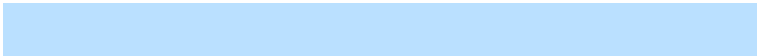
18.4863, 0.2921, 0.4902

Sweetspot

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



18.4869, 0.1883, 0.1903



70.9344, 0.2698, 0.2946



44.8253, 0.2741, 0.4986



14.5092, 0.2643, 0.2896



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.



18.4869, 0.1883, 0.1903



25.9199, 0.1809, 0.1711



5.5203, 0.1563, 0.0731



11.8464, 0.2983, 0.3183



10.2048, 0.1821, 0.1755



0.6768, 0.1912, 0.2082

Inverse Universe

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



14.9299, 0.4550, 0.2345



23.1478, 0.4793, 0.2414



52.4322, 0.4250, 0.4950



11.3149, 0.3206, 0.3164



8.8332, 0.4740, 0.2385



0.4709, 0.4361, 0.2176

Previews

White Background



This preview shows how the Yxy color 18.4863, 0.1883, 0.1903 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 18.4863, 0.1883, 0.1903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

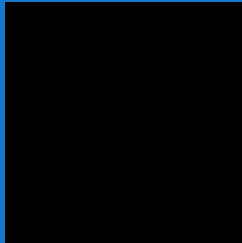
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4863, 0.1883, 0.1903

Background



This preview shows how black text looks on a background with the Yxy color 18.4863, 0.1883, 0.1903.



This preview shows how white text looks on a background with the Yxy color 18.4863, 0.1883, 0.1903.

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

18.4863, 0.1883, 0.1903

Protanopia

18.4533, 0.2116, 0.1940

Deuteranopia

18.5421, 0.1939, 0.1880



Tritanopia

18.4256, 0.2193, 0.3094

Trichromacy



Original Color

18.4863, 0.1883, 0.1903

Protanomaly

18.1660, 0.1997, 0.1915

Deuteranomaly

18.5623, 0.1913, 0.1887

Tritanomaly

18.1703, 0.2058, 0.2575

Monochromacy



Original Color

18.4863, 0.1883, 0.1903

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.1791, 0.2394, 0.2652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4863, 0.1883, 0.1903 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(21, 122, 205)` looks like.

```
.text, #text, p{  
    color:rgb(21, 122, 205)  
}
```

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(21, 122, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 122, 205) }
```

Border

The CSS property to change the border of an element to Yxy 18.4863, 0.1883, 0.1903 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(21, 122, 205) }
```

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

```
.border{ border-color:rgb(21, 122, 205) }
```

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

Here you see how a box with a 4 pixel rgb(21, 122, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 122, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 122, 205);  
box-shadow:4px 4px 4px 4px rgb(21, 122,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4863, 0.1883, 0.1903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 122, 205) }
```

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

```
.background{ background-color: rgb(21, 122,  
205) }
```

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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