

Converting Colors

$Yxy(18.0764, 0.1859, 0.1893)$

Have a look what the booklet for
Yxy(18.0764, 0.1859, 0.1893)
contains.

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Color

Yxy(18.0344, 0.1858, 0.1890)

Conversions

Conversions Part 1

Format	Color
Hex	0079CC
RGB	0, 121, 204
RGB Percent	0%, 47%, 80%
CMY	1.0000, 0.5254, 0.2001
CMYK	1.00, 0.41, 0.00, 0.20
HSL	204°, 100%, 40%
HSV	204°, 100%, 80%
XYZ	17.7291, 18.0344, 59.6567
YIQ	94.2830, -98.7590, 0.1610

Conversions

Conversions Part 2

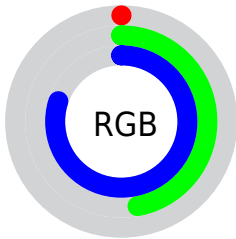
Format	Color
RYB	0, 76, 204
Decimal	31180
CIELab	49.54, 3.19, -50.66
CIELCh	50, 50.759, 273.607
Yxy	18.0344, 0.1858, 0.1890
Android (android.graphics.Color)	4278221260 (0xFF0079CC)
YUV	94.2830, 54.0905, -82.6862
Hunter-Lab	42.4669, 0.2029, -53.5625

Details

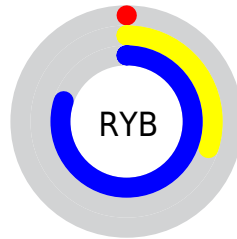
The Yxy color **18.0344, 0.1858, 0.1890** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **19.0132, 0.5689, 0.3865**, and the grayscale version is **11.1532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7038, 0.2137, 0.2231**, and **6.9350, 0.1770, 0.1572** is the 20% darker color. If you saturate the color by 10%, you get **18.0380, 0.1858, 0.1890**, and if you desaturate by 10%, it is **20.2951, 0.1920, 0.2042**.

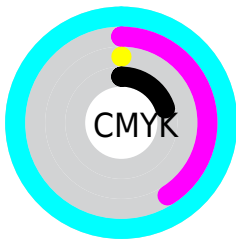
Distribution



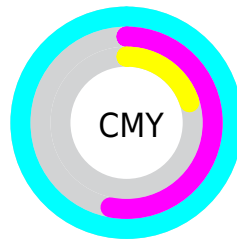
- Red (0%)
- Green (47%)
- Blue (80%)



- Red (0%)
- Yellow (30%)
- Blue (80%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (53%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0344, 0.1858, 0.1890 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 18.0344, 0.1858, 0.1890 by changing the saturation by 10% instead.

■ 18.0344, 0.1858,
0.1890

■ 18.0344, 0.1858,
0.1890

■ 241.0649, 0.2541,
0.2636

■ 10.9747, 0.1682,
0.1700

■ 40.0959, 0.2113,
0.2166

■ 6.0498, 0.1457,
0.1461

■ 55.8665, 0.2207,
0.2269

■ 2.8754, 0.1169,
0.1156

■ 75.3096, 0.2286,
0.2355

■ 1.0670, 0.0805,
0.0777

■ 98.8094, 0.2353,
0.2429

■ 0.0000, 0.0046,
0.0000

■ 126.7505, 0.2410,
0.2491

■ 0.0000, 0.0000,
0.0000

159.5171, 0.2460,

0.2546

197.4938, 0.2503,
0.2594

■ 18.0344, 0.1858,
0.1890

■ 18.0344, 0.1858,
0.1890

■ 18.0380, 0.1858,
0.1890

■ 20.2951, 0.1920,
0.2042

■ 22.8911, 0.2000,
0.2198

■ 25.8855, 0.2102,
0.2356

■ 29.3117, 0.2223,
0.2513

■ 33.1986, 0.2359,
0.2665

■ 37.5716, 0.2506,
0.2811

■ 42.4541, 0.2660,
0.2947

■ 47.8674, 0.2817,
0.3073

■ 53.8316, 0.2974,
0.3187

Harmonies

Analogous

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



18.0344, 0.1561, 0.2108



18.0344, 0.1858, 0.1890



18.0344, 0.2483, 0.1965

Triad

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



18.0344, 0.1858, 0.1890



18.0344, 0.4970, 0.3441



18.0344, 0.2649, 0.4718

Complementary

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



18.0344, 0.1858, 0.1890



19.0132, 0.5689, 0.3865

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.



18.0344, 0.3540, 0.5099



18.0344, 0.1858, 0.1890



18.0344, 0.4927, 0.4116

Square

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



18.0344, 0.1858, 0.1890



18.0344, 0.4382, 0.2810



18.0344, 0.4371, 0.4759



18.0344, 0.1939, 0.3691

Rectangle

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



18.0344, 0.1858, 0.1890



18.0344, 0.3074, 0.2156



18.0344, 0.4371, 0.4759



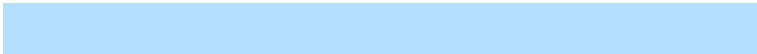
18.0344, 0.2938, 0.4940

Sweetspot

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



18.0380, 0.1858, 0.1890



69.9955, 0.2654, 0.2942



43.7764, 0.2816, 0.5338



14.2230, 0.2588, 0.2885



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.



18.0380, 0.1858, 0.1890



29.4481, 0.1853, 0.1871



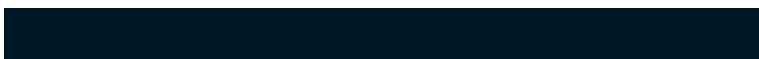
4.8728, 0.1518, 0.0663



11.9320, 0.2983, 0.3193



11.5434, 0.1864, 0.1911



0.7423, 0.1947, 0.2209

Inverse Universe

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



14.2147, 0.4579, 0.2296



23.5039, 0.4601, 0.2308



46.9391, 0.4382, 0.4903



11.3235, 0.3199, 0.3153



8.9683, 0.4554, 0.2283



0.4775, 0.4223, 0.2100

Previews

White Background



This preview shows how the Yxy color 18.0344, 0.1858, 0.1890 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 18.0344, 0.1858, 0.1890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

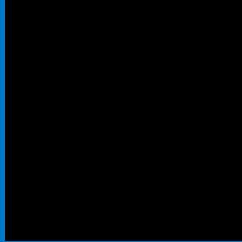
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0344, 0.1858, 0.1890

Background



This preview shows how black text looks on a background with the Yxy color 18.0344, 0.1858, 0.1890.



This preview shows how white text looks on a background with the Yxy color 18.0344, 0.1858, 0.1890.

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

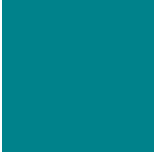
18.0344, 0.1858, 0.1890

Protanopia

18.1325, 0.2111, 0.1933

Deuteranopia

18.1823, 0.1928, 0.1871



Tritanopia

17.8293, 0.2192, 0.3091

Trichromacy



Original Color

18.0344, 0.1858, 0.1890

Protanomaly

17.6228, 0.1959, 0.1897

Deuteranomaly

18.1019, 0.1888, 0.1873

Tritanomaly

17.8231, 0.2047, 0.2569

Monochromacy



Original Color

18.0344, 0.1858, 0.1890

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.5825, 0.2311, 0.2616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0344, 0.1858, 0.1890 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, 121, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 204)  
}
```

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, 121, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 204) }
```

Border

The CSS property to change the border of an element to Yxy 18.0344, 0.1858, 0.1890 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, 121, 204) }
```

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

```
.border{ border-color:rgb(0, 121, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 121, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0344, 0.1858, 0.1890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 204) }
```

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

```
.background{ background-color: rgb(0, 121,  
204) }
```

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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