

Converting Colors

$Yxy(10.2019, 0.0295, 0.1288)$

Have a look what the booklet for
Yxy(10.2019, 0.0295, 0.1288)
contains.

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Color

Yxy(19.1238, 0.1834, 0.1800)

Conversions

Conversions Part 1

Format	Color
Hex	017BD8
RGB	1, 123, 216
RGB Percent	0%, 48%, 85%
CMY	0.9970, 0.5177, 0.1529
CMYK	1.00, 0.43, 0.00, 0.15
HSL	206°, 99%, 43%
HSV	206°, 100%, 85%
XYZ	19.4850, 19.1238, 67.6345
YIQ	97.1240, -102.5650, 3.0590

Conversions

Conversions Part 2

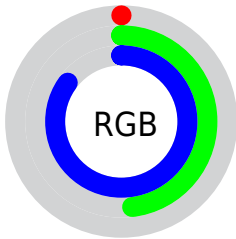
Format	Color
RYB	1, 79, 216
Decimal	97240
CIELab	50.83, 6.75, -55.42
CIElCh	51, 55.830, 276.947
Yxy	19.1238, 0.1834, 0.1800
Android (android.graphics.Color)	4278287320 (0xFF017BD8)
YUV	97.1240, 58.6059, -84.3007
Hunter-Lab	43.7308, 3.0050, -61.0871

Details

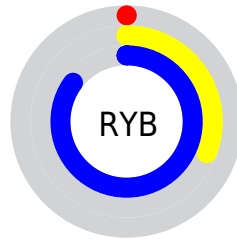
The Yxy color **19.1238, 0.1834, 0.1800** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **22.5718, 0.5614, 0.3922**, and the grayscale version is **11.8383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7047, 0.2159, 0.2262**, and **7.5702, 0.1748, 0.1494** is the 20% darker color. If you saturate the color by 10%, you get **19.0365, 0.1832, 0.1794**, and if you desaturate by 10%, it is **21.7217, 0.1898, 0.1960**.

Distribution



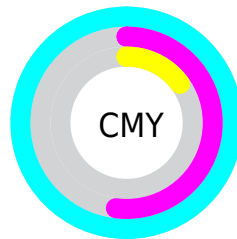
- Red (0%)
- Green (48%)
- Blue (85%)



- Red (0%)
- Yellow (31%)
- Blue (85%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (52%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1238, 0.1834, 0.1800 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 19.1238, 0.1834, 0.1800 by changing the saturation by 10% instead.

■ 19.1238, 0.1834,
0.1800

■ 19.1238, 0.1834,
0.1800

247.1314, 0.2521,
0.2575

■ 11.7598, 0.1661,
0.1610

■ 41.9432, 0.2088,
0.2082

■ 6.5803, 0.1443,
0.1375

■ 58.1673, 0.2182,
0.2188

■ 3.2011, 0.1167,
0.1084

■ 78.1136, 0.2262,
0.2278

■ 1.2376, 0.0823,
0.0731

■ 102.1665, 0.2329,
0.2355

■ 0.0921, 0.0296,
0.0108

■ 130.7103, 0.2388,
0.2421

■ 0.0000, 0.0000,
0.0000

164.1294, 0.2438,

0.2479

202.8083, 0.2482,
0.2530

■ 19.1238, 0.1834,
0.1800

■ 19.1238, 0.1834,
0.1800

■ 19.0365, 0.1832,
0.1794

■ 21.7217, 0.1898,
0.1960

■ 24.7361, 0.1982,
0.2127

■ 28.2315, 0.2088,
0.2296

■ 32.2475, 0.2213,
0.2464

■ 36.8180, 0.2354,
0.2627

■ 41.9733, 0.2505,
0.2783

■ 47.7408, 0.2662,
0.2928

■ 54.1461, 0.2821,
0.3062

■ 61.2130, 0.2979,
0.3184

Harmonies

Analogous

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



19.1238, 0.1488, 0.1984



19.1238, 0.1834, 0.1800



19.1238, 0.2530, 0.1912

Triad

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



19.1238, 0.1834, 0.1800



19.1238, 0.5134, 0.3507



19.1238, 0.2503, 0.4747

Complementary

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



19.1238, 0.1834, 0.1800



22.5718, 0.5614, 0.3922

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.



19.1238, 0.3439, 0.5247



19.1238, 0.1834, 0.1800



19.1238, 0.4997, 0.4221

Square

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



19.1238, 0.1834, 0.1800



19.1238, 0.4578, 0.2841



19.1238, 0.4345, 0.4908



19.1238, 0.1793, 0.3581

Rectangle

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



19.1238, 0.1834, 0.1800



19.1238, 0.3181, 0.2131



19.1238, 0.4345, 0.4908



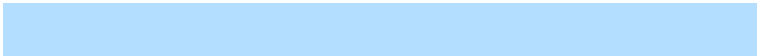
19.1238, 0.2803, 0.5020

Sweetspot

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



19.1244, 0.1834, 0.1800



68.9526, 0.2652, 0.2919



49.8664, 0.2803, 0.5288



13.9752, 0.2584, 0.2858



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.



19.1244, 0.1834, 0.1800



27.4053, 0.1828, 0.1780



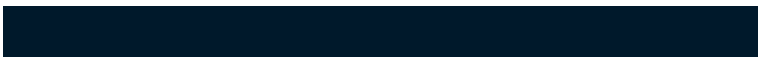
5.4193, 0.1515, 0.0650



13.1672, 0.2982, 0.3187



11.4851, 0.1839, 0.1819



0.8558, 0.1916, 0.2097

Inverse Universe

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



16.0464, 0.4685, 0.2356



23.2977, 0.4709, 0.2368



55.0225, 0.4347, 0.4928



12.5378, 0.3203, 0.3158



9.5043, 0.4663, 0.2343



0.5897, 0.4344, 0.2167

Previews

White Background



This preview shows how the Yxy color 19.1238, 0.1834, 0.1800 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 19.1238, 0.1834, 0.1800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

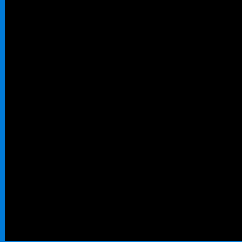
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1238, 0.1834, 0.1800

Background



This preview shows how black text looks on a background with the Yxy color 19.1238, 0.1834, 0.1800.



This preview shows how white text looks on a background with the Yxy color 19.1238, 0.1834, 0.1800.

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

19.1302, 0.1834, 0.1800

Protanopia

18.9954, 0.2039, 0.1833

Deuteranopia

19.3059, 0.1857, 0.1808



Tritanopia

19.0334, 0.2194, 0.3097

Trichromacy



Original Color

19.1302, 0.1834, 0.1800

Protanomaly

18.6252, 0.1917, 0.1804

Deuteranomaly

19.2253, 0.1847, 0.1805

Tritanomaly

18.8675, 0.2032, 0.2517

Monochromacy



Original Color

19.1302, 0.1834, 0.1800

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.2257, 0.2291, 0.2551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1238, 0.1834, 0.1800 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, 123, 216)` looks like.

```
.text, #text, p{  
    color:rgb(1, 123, 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(1, 123, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 123, 216) }
```

Border

The CSS property to change the border of an element to Yxy 19.1238, 0.1834, 0.1800 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, 123, 216) }
```

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

```
.border{ border-color:rgb(1, 123, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 123, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 123, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 123, 216);  
box-shadow:4px 4px 4px 4px rgb(1, 123,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1238, 0.1834, 0.1800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 123, 216) }
```

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

```
.background{ background-color: rgb(1, 123,  
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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