

Converting Colors

$Y_{xy}(11.7608, 0.0851, 0.1253)$

Have a look what the booklet for
Yxy(11.7608, 0.0851, 0.1253)
contains.

Yxy(17.9818, 0.1778, 0.1601)	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(17.9818, 0.1778, 0.1601)

Conversions

Conversions Part 1

Format	Color
Hex	0074E2
RGB	0, 116, 226
RGB Percent	0%, 45%, 89%
CMY	1.0000, 0.5451, 0.1138
CMYK	1.00, 0.49, 0.00, 0.11
HSL	209°, 100%, 44%
HSV	209°, 100%, 89%
XYZ	19.9698, 17.9818, 74.3645
YIQ	93.8560, -104.4460, 9.6180

Conversions

Conversions Part 2

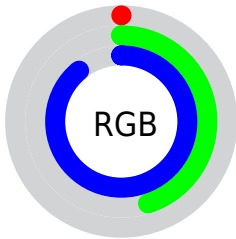
Format	Color
RYB	0, 77, 226
Decimal	29922
CIELab	49.47, 15.03, -63.24
CIELCh	49, 65.004, 283.368
Yxy	17.9818, 0.1778, 0.1601
Android (android.graphics.Color)	4278220002 (0xFF0074E2)
YUV	93.8560, 65.1470, -82.3117
Hunter-Lab	42.4050, 9.8525, -74.2919

Details

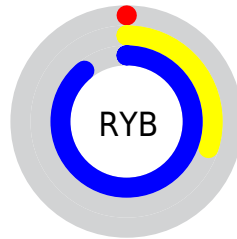
The Yxy color **17.9818, 0.1778, 0.1601** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **27.3161, 0.5466, 0.4042**, and the grayscale version is **11.0211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8607, 0.2148, 0.2158**, and **7.1585, 0.1692, 0.1291** is the 20% darker color. If you saturate the color by 10%, you get **17.9835, 0.1778, 0.1601**, and if you desaturate by 10%, it is **20.8487, 0.1846, 0.1777**.

Distribution



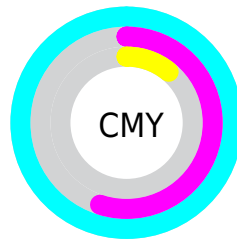
- Red (0%)
- Green (45%)
- Blue (89%)



- Red (0%)
- Yellow (30%)
- Blue (89%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (55%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9818, 0.1778, 0.1601 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 17.9818, 0.1778, 0.1601 by changing the saturation by 10% instead.

■ 17.9818, 0.1778,
0.1601

■ 17.9818, 0.1778,
0.1601

■ 240.7684, 0.2495,
0.2456

■ 10.9369, 0.1600,
0.1402

■ 40.0063, 0.2041,
0.1905

■ 6.0244, 0.1378,
0.1162

■ 55.7547, 0.2140,
0.2022

■ 2.8599, 0.1102,
0.0876

■ 75.1731, 0.2223,
0.2122

■ 1.0591, 0.0767,
0.0549

■ 98.6459, 0.2294,
0.2207

■ 0.0000, 0.0305,
0.0000

■ 126.5574, 0.2355,
0.2282

■ 0.0000, 0.0000,
0.0000

159.2921, 0.2408,

0.2347

197.2343, 0.2454,
0.2405

■ 17.9818, 0.1778,
0.1601

■ 17.9818, 0.1778,
0.1601

■ 17.9835, 0.1778,
0.1601

■ 20.8487, 0.1846,
0.1777

■ 24.2317, 0.1936,
0.1962

■ 28.2085, 0.2049,
0.2153

■ 32.8268, 0.2182,
0.2344

■ 38.1273, 0.2329,
0.2530

■ 44.1468, 0.2487,
0.2708

■ 50.9185, 0.2649,
0.2874

■ 58.4735, 0.2812,
0.3027

■ 66.8407, 0.2972,
0.3166

Harmonies

Analogous

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



17.9818, 0.1326, 0.1711



17.9818, 0.1778, 0.1601



17.9818, 0.2644, 0.1790

Triad

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



17.9818, 0.1778, 0.1601



17.9818, 0.5494, 0.3632



17.9818, 0.2158, 0.4798

Complementary

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



17.9818, 0.1778, 0.1601



27.3161, 0.5466, 0.4042

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.



17.9818, 0.3184, 0.5615



17.9818, 0.1778, 0.1601



17.9818, 0.5118, 0.4446

Square

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



17.9818, 0.1778, 0.1601



17.9818, 0.5049, 0.2896



17.9818, 0.4247, 0.5265



17.9818, 0.1466, 0.3302

Rectangle

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



17.9818, 0.1778, 0.1601



17.9818, 0.3447, 0.2068



17.9818, 0.4247, 0.5265



17.9818, 0.2478, 0.5207

Sweetspot

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



17.9835, 0.1778, 0.1601



66.7677, 0.2646, 0.2871



55.4981, 0.2746, 0.5085



13.4575, 0.2577, 0.2802



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.



17.9835, 0.1778, 0.1601



23.4255, 0.1775, 0.1590



5.5724, 0.1502, 0.0608



14.4010, 0.2981, 0.3173



10.4991, 0.1786, 0.1628



0.9069, 0.1862, 0.1902

Inverse Universe

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



17.4288, 0.4930, 0.2489



22.8960, 0.4944, 0.2497



68.5307, 0.4223, 0.5029



13.8174, 0.3212, 0.3170



9.9679, 0.4896, 0.2471



0.7090, 0.4565, 0.2289

Previews

White Background



This preview shows how the Yxy color 17.9818, 0.1778, 0.1601 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 17.9818, 0.1778, 0.1601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

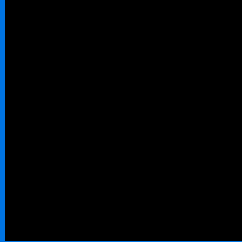
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

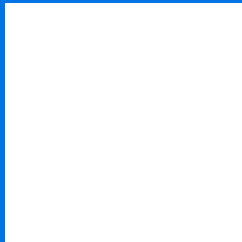
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.9818, 0.1778, 0.1601

Background



This preview shows how black text looks on a background with the Yxy color 17.9818, 0.1778, 0.1601.



This preview shows how white text looks on a background with the Yxy color 17.9818, 0.1778, 0.1601.

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

17.9818, 0.1778, 0.1601

Protanopia

17.9502, 0.1875, 0.1618

Deuteranopia

18.0364, 0.1839, 0.1820



Tritanopia

17.8293, 0.2192, 0.3091

Trichromacy



Original Color

17.9818, 0.1778, 0.1601

Protanomaly

17.7738, 0.1819, 0.1604

Deuteranomaly

18.0999, 0.1818, 0.1745

Tritanomaly

17.6075, 0.1999, 0.2397

Monochromacy



Original Color

17.9818, 0.1778, 0.1601

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.4164, 0.2241, 0.2421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9818, 0.1778, 0.1601 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, 116, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 226)  
}
```

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, 116, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 226) }
```

Border

The CSS property to change the border of an element to Yxy 17.9818, 0.1778, 0.1601 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, 116, 226) }
```

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

```
.border{ border-color:rgb(0, 116, 226) }
```

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

Here you see how a box with a 4 pixel rgb(0, 116, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9818, 0.1778, 0.1601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 226) }
```

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

```
.background{ background-color: rgb(0, 116,  
226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor