

Converting Colors

$Yxy(16.0665, 0.1823, 0.1706)$

Have a look what the booklet for
Yxy(16.0665, 0.1823, 0.1706)
contains.

Yxy(15.9930, 0.1820, 0.1694)	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(15.9930, 0.1820, 0.1694)

Conversions

Conversions Part 1

Format	Color
Hex	116FCF
RGB	17, 111, 207
RGB Percent	7%, 44%, 81%
CMY	0.9328, 0.5647, 0.1881
CMYK	0.92, 0.46, 0.00, 0.19
HSL	210°, 85%, 44%
HSV	210°, 92%, 81%
XYZ	17.1826, 15.9930, 61.2341
YIQ	93.8380, -86.8400, 9.9280

Conversions

Conversions Part 2

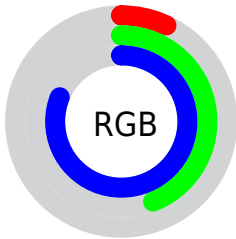
Format	Color
R_{YB}	17, 80, 207
Decimal	1142735
CIE Lab	46.97, 11.32, -56.52
CIE LCh	47, 57.646, 281.320
Yxy	15.9930, 0.1820, 0.1694
Android (android.graphics.Color)	4279332815 (0xFF116FCF)
YUV	93.8380, 55.7889, -67.3869
Hunter-Lab	39.9912, 6.7093, -62.7903

Details

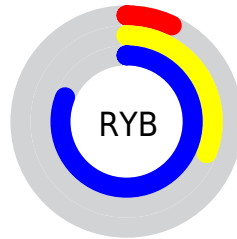
The Yxy color **15.9930, 0.1820, 0.1694** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **25.1597, 0.5238, 0.4149**, and the grayscale version is **11.0434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9442, 0.2124, 0.2088**, and **5.9338, 0.1709, 0.1352** is the 20% darker color. If you saturate the color by 10%, you get **14.0738, 0.1763, 0.1546**, and if you desaturate by 10%, it is **18.7022, 0.1908, 0.1883**.

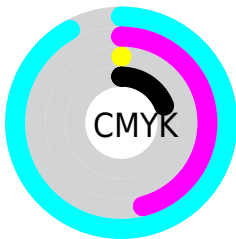
Distribution



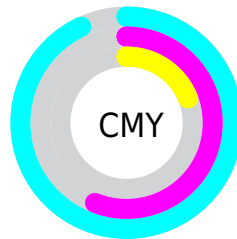
- Red (7%)
- Green (44%)
- Blue (81%)



- Red (7%)
- Yellow (31%)
- Blue (81%)



- Cyan (92%)
- Magenta (46%)
- Yellow (0%)
- Black (19%)



- Cyan (93%)
- Magenta (56%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.9930, 0.1820, 0.1694 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 15.9930, 0.1820, 0.1694 by changing the saturation by 10% instead.

■ 15.9930, 0.1820,
0.1694

■ 15.9930, 0.1820,
0.1694

■ 229.3004, 0.2532,
0.2532

■ 9.5192, 0.1635,
0.1488

■ 36.5861, 0.2087,
0.2000

■ 5.0814, 0.1402,
0.1234

■ 51.4741, 0.2185,
0.2115

■ 2.2951, 0.1104,
0.0923

■ 69.9357, 0.2268,
0.2212

■ 0.7711, 0.0735,
0.0556

■ 92.3552, 0.2337,
0.2295

■ 0.0000, 0.0000,
0.0000

■ 119.1170, 0.2397,
0.2367

150.6056, 0.2448,

0.2429

187.2052, 0.2493,
0.2483

■ 15.9930, 0.1820,
0.1694

■ 15.9930, 0.1820,
0.1694

■ 14.0738, 0.1763,
0.1546

■ 18.7022, 0.1908,
0.1883

■ 21.9059, 0.2020,
0.2079

■ 25.6446, 0.2153,
0.2277

■ 29.9530, 0.2301,
0.2471

■ 34.8620, 0.2459,
0.2657

■ 40.3997, 0.2622,
0.2831

■ 46.5922, 0.2785,
0.2992

■ 53.4639, 0.2946,
0.3138

■ 61.0377, 0.3101,
0.3269

Harmonies

Analogous

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



15.9930, 0.1407, 0.1829



15.9930, 0.1820, 0.1694



15.9930, 0.2615, 0.1856

Triad

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



15.9930, 0.1820, 0.1694



15.9930, 0.5330, 0.3597



15.9930, 0.2299, 0.4746

Complementary

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



15.9930, 0.1820, 0.1694



25.1597, 0.5238, 0.4149

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.



15.9930, 0.3282, 0.5433



15.9930, 0.1820, 0.1694



15.9930, 0.5053, 0.4364

Square

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



15.9930, 0.1820, 0.1694



15.9930, 0.4847, 0.2891



15.9930, 0.4276, 0.5111



15.9930, 0.1606, 0.3404

Rectangle

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



15.9930, 0.1820, 0.1694



15.9930, 0.3349, 0.2110



15.9930, 0.4276, 0.5111



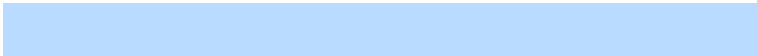
15.9930, 0.2609, 0.5095

Sweetspot

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



15.9934, 0.1820, 0.1694



67.9665, 0.2677, 0.2887



45.9340, 0.2703, 0.4871



13.6580, 0.2606, 0.2815



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.



15.9934, 0.1820, 0.1694



22.1506, 0.1757, 0.1525



5.0318, 0.1537, 0.0661



12.3689, 0.2982, 0.3169



9.0529, 0.1770, 0.1570



0.6649, 0.1863, 0.1906

Inverse Universe

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



14.8226, 0.4801, 0.2470



22.7673, 0.5026, 0.2542



57.9532, 0.4177, 0.5026



11.9043, 0.3214, 0.3176



8.9852, 0.4969, 0.2511



0.5184, 0.4561, 0.2286

Previews

White Background



This preview shows how the Yxy color 15.9930, 0.1820, 0.1694 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 15.9930, 0.1820, 0.1694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

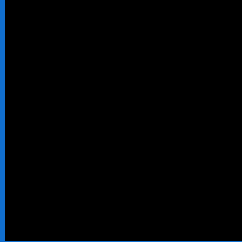
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

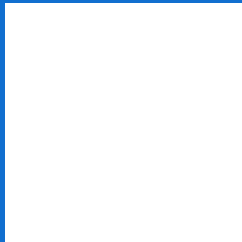
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.9930, 0.1820, 0.1694

Background



This preview shows how black text looks on a background with the Yxy color 15.9930, 0.1820, 0.1694.



This preview shows how white text looks on a background with the Yxy color 15.9930, 0.1820, 0.1694.

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

15.9930, 0.1820, 0.1694

Protanopia

16.0611, 0.1953, 0.1730

Deuteranopia

15.9338, 0.1834, 0.1802



Tritanopia

15.8046, 0.2196, 0.3104

Trichromacy



Original Color

15.9930, 0.1820, 0.1694

Protanomaly

15.8778, 0.1888, 0.1714

Deuteranomaly

15.8913, 0.1827, 0.1756

Tritanomaly

15.7356, 0.2026, 0.2466

Monochromacy



Original Color

15.9930, 0.1820, 0.1694

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.0219, 0.2336, 0.2512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9930, 0.1820, 0.1694 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(17, 111, 207)` looks like.

```
.text, #text, p{  
    color:rgb(17, 111, 207)  
}
```

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(17, 111, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 111, 207) }
```

Border

The CSS property to change the border of an element to Yxy 15.9930, 0.1820, 0.1694 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(17, 111, 207) }
```

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

```
.border{ border-color:rgb(17, 111, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 111, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(17, 111, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(17, 111, 207); box-shadow:4px 4px 4px 4px rgb(17, 111, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9930, 0.1820, 0.1694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 111, 207) }
```

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

```
.background{ background-color: rgb(17, 111,  
207) }
```

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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