

Converting Colors

XYZ(18.0712, 18.1219, 61.5786)

Have a look what the booklet for
XYZ(18.0712, 18.1219, 61.5786)
contains.

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Color

**XYZ(18.0999, 18.1797,
61.5866)**

Conversions

Conversions Part 1

Format	Color
Hex	0079CF
RGB	0, 121, 207
RGB Percent	0%, 47%, 81%
CMY	0.9998, 0.5255, 0.1882
CMYK	1.00, 0.42, 0.00, 0.19
HSL	205°, 100%, 41%
HSV	205°, 100%, 81%
XYZ	18.0999, 18.1797, 61.5866
YIQ	94.6250, -99.7220, 1.0940

Conversions

Conversions Part 2

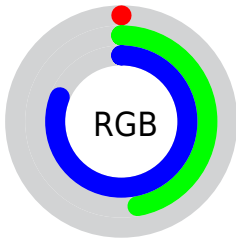
Format	Color
R_{YB}	0, 76, 207
Decimal	31183
CIE _{Lab}	49.71, 4.41, -52.10
CIE _{LCh}	50, 52.289, 274.843
Yxy	18.1797, 0.1849, 0.1858
Android (android.graphics.Color)	4278221263 (0xFF0079CF)
YUV	94.6250, 55.4009, -82.9861
Hunter-Lab	42.6377, 1.1582, -55.7932

Details

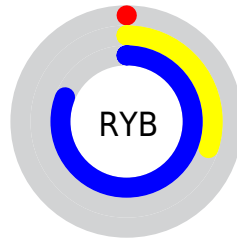
The XYZ color **18.0999, 18.1797, 61.5866** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **29.0647, 19.9298, 2.3165**, and the grayscale version is **10.6809, 11.2372, 12.2373**.

A 20% lighter version of the original color is **38.1392, 39.7598, 100.2720**, and **8.0500, 7.0321, 30.6388** is the 20% darker color. If you saturate the color by 10%, you get **18.0973, 18.1745, 61.5862**, and if you desaturate by 10%, it is **19.4965, 20.5216, 61.9654**.

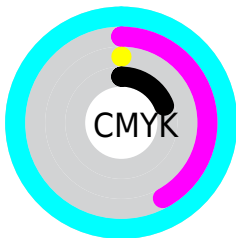
Distribution



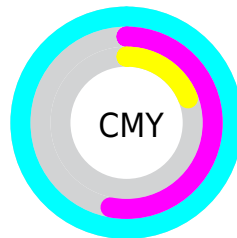
- Red (0%)
- Green (47%)
- Blue (81%)



- Red (0%)
- Yellow (30%)
- Blue (81%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (53%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0999, 18.1797, 61.5866 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 XYZ color 18.0999, 18.1797, 61.5866 by changing the saturation by 10% instead.

■ 18.0999, 18.1797,
61.5866

■ 18.0999, 18.1797,
61.5866

234.4682,
241.8820, 448.3875

■ 11.1219, 11.0791,
44.2651

■ 39.7362, 40.3433,
108.6936

■ 6.2168, 6.1201,
30.5403

■ 55.1252, 56.1751,
139.3162

■ 3.0192, 2.9182,
19.9935

■ 74.0486, 75.6860,
175.2096

■ 1.1639, 1.0892,
12.2063

■ 96.8717, 99.2605,
216.7924

■ 0.0776, 0.0000,
6.7601

■ 123.9598,
127.2829, 264.4830

■ 0.0000, 0.0000,
3.2364

155.6784,

■ 0.0000, 0.0000,

160.1377, 318.7000

1.2165

192.3927,
198.2093, 379.8620

■ 0.0000, 0.0000,
0.0000

■ 18.0999, 18.1797,
61.5866

■ 18.0999, 18.1797,
61.5866

■ 18.0973, 18.1745,
61.5862

■ 19.4965, 20.5216,
61.9654

■ 21.3131, 23.2217,
62.3909

■ 23.6626, 26.3417,
62.8693

■ 26.6066, 29.9166,
63.4041

■ 30.1974, 33.9766,
63.9985

■ 34.4811, 38.5484,
64.6552

■ 39.4994, 43.6563,
65.3766

■ 45.2902, 49.3230,
66.1652

■ 51.8888, 55.5693,
67.0231

Harmonies

Analogous

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



13.5222, 18.1797, 56.4074



18.0999, 18.1797, 61.5866



23.3436, 18.1797, 51.8830

Triad

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



18.0999, 18.1797, 61.5866



26.3832, 18.1797, 7.9022



9.9841, 18.1797, 10.2804

Complementary

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



18.0999, 18.1797, 61.5866



29.0647, 19.9298, 2.3165

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.



12.3682, 18.1797, 4.7457



18.0999, 18.1797, 61.5866



21.6748, 18.1797, 3.9075

Square

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



18.0999, 18.1797, 61.5866



28.6762, 18.1797, 17.5696



16.4838, 18.1797, 3.1192



9.3903, 18.1797, 22.1999

Rectangle

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



18.0999, 18.1797, 61.5866



26.3434, 18.1797, 40.1409



16.4838, 18.1797, 3.1192



10.5768, 18.1797, 7.8358

Sweetspot

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



18.1007, 18.1802, 61.5871



62.9686, 69.6314, 104.7292



23.8685, 45.2483, 15.6255



12.7160, 14.1364, 22.3084



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.1007, 18.1802, 61.5871



28.8023, 28.7246, 98.6341



11.5268, 5.0325, 59.3958



11.7295, 12.5492, 15.0477



11.4973, 11.6413, 38.8335



0.7202, 0.8056, 2.1971

Inverse Universe

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



29.1841, 14.6472, 19.3783



46.6673, 23.4309, 30.5096



43.3561, 48.5125, 7.0803



12.0943, 11.9225, 13.7726



18.4341, 9.2465, 12.4578



1.0698, 0.5326, 0.9021

Previews

White Background



This preview shows how the XYZ color 18.0999, 18.1797, 61.5866 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 XYZ color 18.0999, 18.1797, 61.5866 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

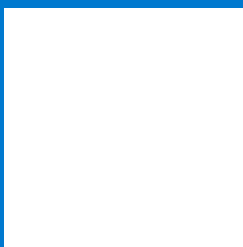
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.0999, 18.1797, 61.5866

Background



This preview shows how black text looks on a background with the XYZ color 18.0999, 18.1797, 61.5866.



This preview shows how white text looks on a background with the XYZ color 18.0999, 18.1797,

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

18.0999, 18.1797, 61.5866

Protanopia

19.9816, 18.1840, 57.7151

Deuteranopia

18.7344, 18.1498, 61.5473



Tritanopia

12.8499, 18.1260, 27.6324

Trichromacy



Original Color

18.0999, 18.1797, 61.5866

Protanomaly

18.5060, 17.7382, 58.9484

Deuteranomaly

18.3799, 18.1446, 61.5650

Tritanomaly

14.2902, 17.8591, 37.8159

Monochromacy



Original Color

18.0999, 18.1797, 61.5866

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.2577, 12.6389, 25.1388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0999, 18.1797, 61.5866 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 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(0, 121, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 207) }
```

Border

The CSS property to change the border of an element to XYZ 18.0999, 18.1797, 61.5866 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, 207) }
```


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

```
.border{ border-color:rgb(0, 121, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0999, 18.1797, 61.5866 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, 207) }
```

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

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