

Converting Colors

XYZ(19.0300, 16.6789, 74.4047)

Have a look what the booklet for
XYZ(19.0300, 16.6789, 74.4047)
contains.

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Color

**XYZ(19.4119, 16.8599,
74.1827)**

Conversions

Conversions Part 1

Format	Color
Hex	006FE2
RGB	0, 111, 226
RGB Percent	0%, 44%, 89%
CMY	0.9998, 0.5647, 0.1137
CMYK	1.00, 0.51, 0.00, 0.11
HSL	211°, 100%, 44%
HSV	211°, 100%, 89%
XYZ	19.4119, 16.8599, 74.1827
YIQ	90.9210, -103.0710, 12.2330

Conversions

Conversions Part 2

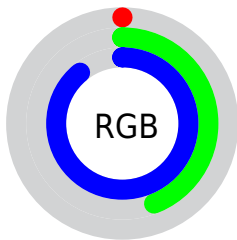
Format	Color
R _Y B	0, 74, 226
Decimal	28642
CIE Lab	48.08, 18.23, -65.50
CIE LCh	48, 67.988, 285.554
Yxy	16.8599, 0.1757, 0.1526
Android (android.graphics.Color)	4278218722 (0xFF006FE2)
YUV	90.9210, 66.5939, -79.7377
Hunter-Lab	41.0608, 12.5312, -78.3740

Details

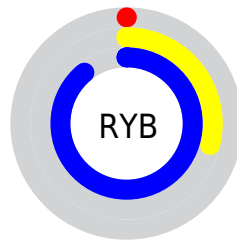
The XYZ color **19.4119, 16.8599, 74.1827** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **37.5016, 28.4431, 3.5151**, and the grayscale version is **9.8005, 10.3109, 11.2286**.

A 20% lighter version of the original color is **36.7960, 36.0639, 99.6294**, and **9.1460, 6.6829, 38.8381** is the 20% darker color. If you saturate the color by 10%, you get **19.4090, 16.8539, 74.1821**, and if you desaturate by 10%, it is **21.0945, 19.7121, 74.6450**.

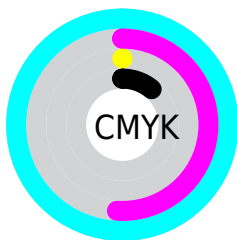
Distribution



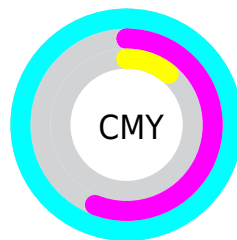
- Red (0%)
- Green (44%)
- Blue (89%)



- Red (0%)
- Yellow (29%)
- Blue (89%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (56%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4119, 16.8599, 74.1827 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 19.4119, 16.8599, 74.1827 by changing the saturation by 10% instead.

■ 19.4119, 16.8599,
74.1827

■ 19.4119, 16.8599,
74.1827

241.6080,
234.3637, 494.2839

■ 12.0741, 10.1347,
54.4459

■ 41.9405, 38.0847,
126.8912

■ 6.8667, 5.4883,
38.5627

■ 57.8619, 53.3531,
160.7000

■ 3.4245, 2.5365,
26.1145

■ 77.3753, 72.2380,
200.0365

■ 1.3820, 0.8949,
16.6828

■ 100.8459, 95.1238,
245.3193

■ 0.2433, 0.0000,
9.8490

■ 128.6391,
122.3948, 296.9669

■ 0.0000, 0.0000,
5.1947

161.1203,

■ 0.0000, 0.0000,

154.4356, 355.3978

2.3012

198.6548,
191.6304, 421.0307

■ 0.0000, 0.0000,
0.7319

■ 0.0000, 0.0000,
0.0000

■ 19.4119, 16.8599,
74.1827

■ 19.4119, 16.8599,
74.1827

■ 19.4090, 16.8539,
74.1821

■ 21.0945, 19.7121,
74.6450

■ 23.3469, 23.1066,
75.1815

■ 26.3047, 27.1214,
75.8005

■ 30.0474, 31.8055,
76.5074

■ 34.6425, 37.2010,
77.3066

■ 40.1498, 43.3460,
78.2025

■ 46.6229, 50.2750,
79.1987

■ 54.1111, 58.0201,
80.2990

■ 62.6603, 66.6113,
81.5067

Harmonies

Analogous

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



13.2505, 16.8599, 74.6142



19.4119, 16.8599, 74.1827



26.0439, 16.8599, 53.7806

Triad

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



19.4119, 16.8599, 74.1827



25.8207, 16.8599, 3.2360



7.0803, 16.8599, 11.1350

Complementary

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



19.4119, 16.8599, 74.1827



37.5016, 28.4431, 3.5151

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.



8.9746, 16.8599, 3.3840



19.4119, 16.8599, 74.1827



19.1616, 16.8599, 1.2115

Square

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



19.4119, 16.8599, 74.1827



30.3411, 16.8599, 10.6872



13.0566, 16.8599, 1.2394



7.1147, 16.8599, 29.0268

Rectangle

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



19.4119, 16.8599, 74.1827



29.3910, 16.8599, 36.2559



13.0566, 16.8599, 1.2394



7.4862, 16.8599, 7.6016

Sweetspot

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



19.4127, 16.8603, 74.1832



61.0972, 65.8885, 104.1053



30.1794, 55.5863, 24.7696



12.2727, 13.2498, 22.1606



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.



19.4127, 16.8603, 74.1832



25.4105, 21.9409, 97.5035



13.7288, 5.4926, 72.2885



13.5050, 14.3491, 17.4455



11.1910, 9.8516, 42.3601



0.8652, 0.8618, 2.9660

Inverse Universe

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



34.2341, 17.3178, 16.5774



44.9552, 22.7461, 21.4941



58.5611, 70.5620, 10.5349



13.9864, 13.8122, 15.6983



19.5889, 9.9026, 9.7669



1.4030, 0.7045, 0.9148

Previews

White Background



This preview shows how the XYZ color 19.4119, 16.8599, 74.1827 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 19.4119, 16.8599, 74.1827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

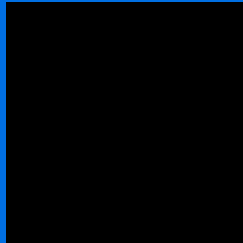
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

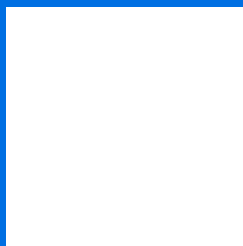
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4119, 16.8599, 74.1827

Background



This preview shows how black text looks on a background with the XYZ color 19.4119, 16.8599, 74.1827.



This preview shows how white text looks on a background with the XYZ color 19.4119, 16.8599,

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

19.4119, 16.8599, 74.1827

Protanopia

20.0416, 17.0392, 73.4668

Deuteranopia

16.9061, 16.7551, 58.2201



Tritanopia

11.7639, 16.6429, 25.1466

Trichromacy



Original Color

19.4119, 16.8599, 74.1827

Protanomaly

19.5674, 16.7948, 73.4446

Deuteranomaly

17.7752, 16.7378, 63.9219

Tritanomaly

13.8124, 16.4648, 39.0092

Monochromacy



Original Color

19.4119, 16.8599, 74.1827

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.8462, 11.5284, 26.4645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4119, 16.8599, 74.1827 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, 111, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 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, 111, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 226) }
```

Border

The CSS property to change the border of an element to XYZ 19.4119, 16.8599, 74.1827 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, 111, 226) }
```


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

```
.border{ border-color:rgb(0, 111, 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, 111, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4119, 16.8599, 74.1827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 226) }
```

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

```
.background{ background-color: rgb(0, 111,  
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](#).

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