

Converting Colors

XYZ(7.1616, 11.1141, 72.3776)

Have a look what the booklet for
XYZ(7.1616, 11.1141, 72.3776)
contains.

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Color

**XYZ(19.4719, 17.4164,
72.8564)**

Conversions

Conversions Part 1

Format	Color
Hex	0072E0
RGB	0, 114, 224
RGB Percent	0%, 45%, 88%
CMY	0.9997, 0.5529, 0.1216
CMYK	1.00, 0.49, 0.00, 0.12
HSL	209°, 100%, 44%
HSV	209°, 100%, 88%
XYZ	19.4719, 17.4164, 72.8564
YIQ	92.4540, -103.2540, 10.0420

Conversions

Conversions Part 2

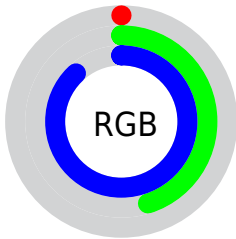
Format	Color
RYB	0, 76, 224
Decimal	29408
CIELab	48.78, 15.53, -63.24
CIELCh	49, 65.119, 283.795
Yxy	17.4164, 0.1774, 0.1587
Android (android.graphics.Color)	4278219488 (0xFF0072E0)
YUV	92.4540, 64.8522, -81.0822
Hunter-Lab	41.7330, 10.2524, -74.2940

Details

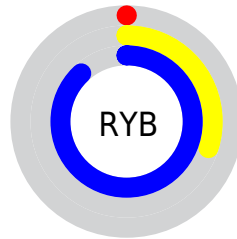
The XYZ color **19.4719, 17.4164, 72.8564** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **36.3239, 27.0134, 3.3015**, and the grayscale version is **10.1540, 10.6828, 11.6335**.

A 20% lighter version of the original color is **37.2141, 37.0733, 99.8022**, and **9.0750, 6.8415, 37.8880** is the 20% darker color. If you saturate the color by 10%, you get **19.4684, 17.4093, 72.8557**, and if you desaturate by 10%, it is **21.1298, 20.2258, 73.3117**.

Distribution



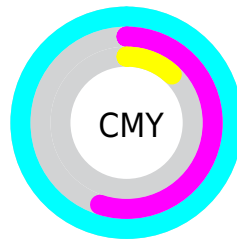
- Red (0%)
- Green (45%)
- Blue (88%)



- Red (0%)
- Yellow (30%)
- Blue (88%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (55%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4719, 17.4164, 72.8564 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 19.4719, 17.4164, 72.8564 by changing the saturation by 10% instead.

■ 19.4719, 17.4164,
72.8564

■ 19.4719, 17.4164,
72.8564

241.9301,
237.5607, 489.5744

■ 12.1178, 10.5318,
53.3674

■ 42.0407, 39.0403,
124.9924

■ 6.8967, 5.7530,
37.7064

■ 57.9861, 54.5485,
158.4764

■ 3.4433, 2.6955,
25.4549

■ 77.5260, 73.6999,
197.4626

■ 1.3923, 0.9749,
16.1942

■ 101.0258, 96.8791,
242.3695

■ 0.2507, 0.0000,
9.5058

■ 128.8507,
124.4704, 293.6156

■ 0.0000, 0.0000,
4.9713

161.3661,

■ 0.0000, 0.0000,

156.8581, 351.6194

2.1720

198.9375,
194.4267, 416.7995

■ 0.0000, 0.0000,
0.6581

■ 0.0000, 0.0000,
0.0000

■ 19.4719, 17.4164,
72.8564

■ 19.4719, 17.4164,
72.8564

■ 19.4684, 17.4093,
72.8557

■ 21.1298, 20.2258,
73.3117

■ 23.3359, 23.5468,
73.8365

■ 26.2227, 27.4549,
74.4387

■ 29.8675, 31.9968,
75.1232

■ 34.3359, 37.2127,
75.8945

■ 39.6855, 43.1387,
76.7564

■ 45.9685, 49.8077,
77.7125

■ 53.2328, 57.2502,
78.7661

■ 61.5226, 65.4947,
79.9206

Harmonies

Analogous

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



13.5275, 17.4164, 71.9746



19.4719, 17.4164, 72.8564



25.9325, 17.4164, 54.3941

Triad

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



19.4719, 17.4164, 72.8564



26.3997, 17.4164, 4.0247



7.7370, 17.4164, 11.1316

Complementary

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



19.4719, 17.4164, 72.8564



36.3239, 27.0134, 3.3015

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.



9.7624, 17.4164, 3.6840



19.4719, 17.4164, 72.8564



20.0007, 17.4164, 1.6169

Square

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



19.4719, 17.4164, 72.8564



30.5409, 17.4164, 12.1028



13.9428, 17.4164, 1.5480



7.6614, 17.4164, 28.0234

Rectangle

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



19.4719, 17.4164, 72.8564



29.2710, 17.4164, 37.7044



13.9428, 17.4164, 1.5480



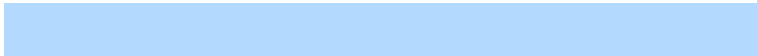
8.1852, 17.4164, 7.7641

Sweetspot

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



19.4727, 17.4169, 72.8569



61.4468, 66.5878, 104.2219



29.3794, 54.4011, 23.2233



12.3552, 13.4150, 22.1881



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.



19.4727, 17.4169, 72.8569



25.9981, 23.1163, 97.6994



13.4966, 5.4647, 70.8649



13.5257, 14.3904, 17.4524



11.4474, 10.3644, 42.4455



0.8830, 0.8976, 2.9719

Inverse Universe

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



33.7786, 17.0637, 17.4328



45.2519, 22.8647, 23.0562



56.4047, 67.1749, 9.9950



13.9968, 13.8163, 15.7533



19.7183, 9.9543, 10.4484



1.4120, 0.7081, 0.9623

Previews

White Background



This preview shows how the XYZ color 19.4719, 17.4164, 72.8564 looks on a white background.

Color Contrast Check

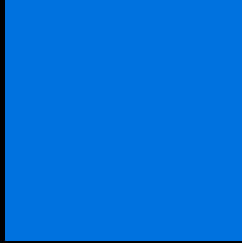
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4719, 17.4164, 72.8564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

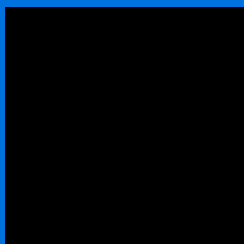
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

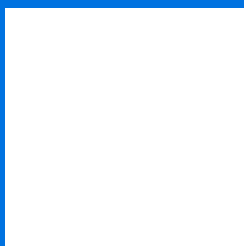
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4719, 17.4164, 72.8564

Background



This preview shows how black text looks on a background with the XYZ color 19.4719, 17.4164, 72.8564.



This preview shows how white text looks on a background with the XYZ color 19.4719, 17.4164,

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

19.4719, 17.4164, 72.8564

Protanopia

20.2615, 17.5389, 70.7241

Deuteranopia

17.6190, 17.4131, 60.8250



Tritanopia

12.2345, 17.2445, 26.3506

Trichromacy



Original Color

19.4719, 17.4164, 72.8564

Protanomaly

19.7171, 17.4075, 71.4280

Deuteranomaly

18.3715, 17.5267, 65.3655

Tritanomaly

14.2444, 17.0305, 40.0726

Monochromacy



Original Color

19.4719, 17.4164, 72.8564

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.0944, 11.9376, 26.5304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4719, 17.4164, 72.8564 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, 114, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 224)  
}
```

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, 114, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 224) }
```

Border

The CSS property to change the border of an element to XYZ 19.4719, 17.4164, 72.8564 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, 114, 224) }
```


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

```
.border{ border-color:rgb(0, 114, 224) }
```

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

Here you see how a box with a 4 pixel rgb(0, 114, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4719, 17.4164, 72.8564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 224) }
```

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

```
.background{ background-color: rgb(0, 114,  
224) }
```

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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