

Converting Colors

XYZ(14.5030, 9.9147, 72.8674)

Have a look what the booklet for
XYZ(14.5030, 9.9147, 72.8674)
contains.

XYZ(16.4519, 10.9398, 73.1960)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.4519, 10.9398,
73.1960)**

Conversions

Conversions Part 1

Format	Color
Hex	004EE2
RGB	0, 78, 226
RGB Percent	0%, 31%, 89%
CMY	0.9998, 0.6941, 0.1137
CMYK	1.00, 0.65, 0.00, 0.11
HSL	219°, 100%, 44%
HSV	219°, 100%, 89%
XYZ	16.4519, 10.9398, 73.1960
YIQ	71.5500, -93.9960, 29.4920

Conversions

Conversions Part 2

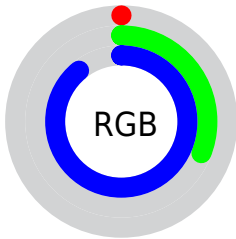
Format	Color
R _{YB}	0, 58, 226
Decimal	20194
CIE Lab	39.48, 39.52, -79.55
CIE LCh	39, 88.824, 296.418
Yxy	10.9398, 0.1636, 0.1088
Android (android.graphics.Color)	4278210274 (0xFF004EE2)
YUV	71.5500, 76.1439, -62.7493
Hunter-Lab	33.0754, 30.9051, -108.0564

Details

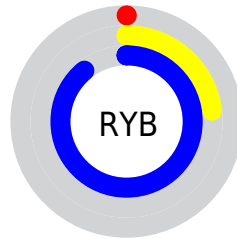
The XYZ color **16.4519, 10.9398, 73.1960** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **41.9642, 37.3684, 5.0028**, and the grayscale version is **5.9718, 6.2828, 6.8419**.

A 20% lighter version of the original color is **31.7028, 25.5245, 97.8636**, and **7.7625, 4.0666, 37.9119** is the 20% darker color. If you saturate the color by 10%, you get **16.4490, 10.9340, 73.1954**, and if you desaturate by 10%, it is **17.9702, 13.4633, 73.6034**.

Distribution



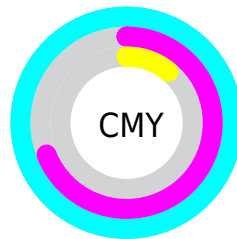
- Red (0%)
- Green (31%)
- Blue (89%)



- Red (0%)
- Yellow (23%)
- Blue (89%)



- Cyan (100%)
- Magenta (65%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (69%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4519, 10.9398, 73.1960 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 16.4519, 10.9398, 73.1960 by changing the saturation by 10% instead.

■ 16.4519, 10.9398,
73.1960

■ 16.4519, 10.9398,
73.1960

225.2121,
197.2541, 490.7828

■ 9.9374, 6.0264,
53.6434

■ 36.9321, 27.5488,
125.4789

■ 5.4194, 2.8611,
37.9254

■ 51.6285, 40.0131,
159.0464

■ 2.5326, 1.0597,
25.6234

■ 69.7829, 55.7633,
198.1225

■ 0.9117, 0.0000,
16.3189

■ 91.7606, 75.1835,
243.1259

■ 0.0000, 0.0000,
9.5933

■ 117.9270, 98.6584,
294.4751

■ 0.0000, 0.0000,
5.0281

148.6475,

■ 0.0000, 0.0000,

126.5721, 352.5886

2.2047

184.2874,
159.3092, 417.8850

■ 0.0000, 0.0000,
0.6771

■ 0.0000, 0.0000,
0.0000

■ 16.4519, 10.9398,
73.1960

■ 16.4519, 10.9398,
73.1960

■ 16.4490, 10.9340,
73.1954

■ 17.9702, 13.4633,
73.6034

■ 20.1424, 16.6972,
74.1131

■ 23.1119, 20.7352,
74.7360

■ 26.9652, 25.6404,
75.4797

■ 31.7768, 31.4685,
76.3511

■ 37.6123, 38.2697,
77.3563

■ 44.5313, 46.0902,
78.5011

■ 52.5885, 54.9730,
79.7910

■ 61.8349, 64.9583,
81.2310

Harmonies

Analogous

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



9.6907, 10.9398, 85.2069



16.4519, 10.9398, 73.1960



23.3459, 10.9398, 41.3086

Triad

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



16.4519, 10.9398, 73.1960



18.2139, 10.9398, 0.0000



2.5911, 10.9398, 9.9562

Complementary

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



16.4519, 10.9398, 73.1960



41.9642, 37.3684, 5.0028

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.



3.4240, 10.9398, 1.3704



16.4519, 10.9398, 73.1960



11.1388, 10.9398, 0.0000

Square

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



16.4519, 10.9398, 73.1960



24.6094, 10.9398, 2.4074



6.0479, 10.9398, 0.0000



3.0903, 10.9398, 33.6150

Rectangle

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



16.4519, 10.9398, 73.1960



26.2165, 10.9398, 21.5274



6.0479, 10.9398, 0.0000



2.7123, 10.9398, 5.6946

Sweetspot

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



16.4526, 10.9400, 73.1963



58.3297, 60.3536, 103.1829



32.4576, 56.4975, 36.7659



11.6233, 11.9510, 21.9441



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.



16.4526, 10.9400, 73.1963



21.5366, 14.1933, 96.2122



14.3863, 5.8316, 72.3192



13.3367, 14.0125, 17.3895



9.4840, 6.4375, 41.7911



0.7389, 0.6092, 2.9239

Inverse Universe

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



32.7399, 16.7202, 8.7092



42.9999, 21.9640, 11.1974



48.9628, 65.6139, 10.0859



13.9014, 13.7782, 15.2511



18.7273, 9.5579, 5.2296



1.3392, 0.6790, 0.5791

Previews

White Background



This preview shows how the XYZ color 16.4519, 10.9398, 73.1960 looks on a white background.

Color Contrast Check

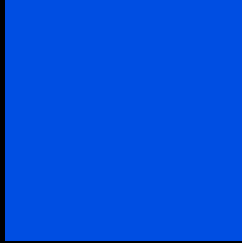
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4519, 10.9398, 73.1960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

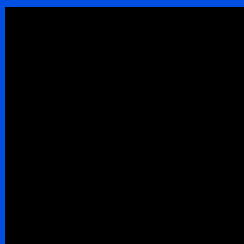
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4519, 10.9398, 73.1960

Background



This preview shows how black text looks on a background with the XYZ color 16.4519, 10.9398, 73.1960.



This preview shows how white text looks on a background with the XYZ color 16.4519, 10.9398,

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

16.4519, 10.9398, 73.1960

Protanopia

12.6495, 10.7756, 48.9902

Deuteranopia

10.5252, 10.7576, 35.2399



Tritanopia

7.6106, 10.8046, 16.1524

Trichromacy



Original Color

16.4519, 10.9398, 73.1960

Protanomaly

13.9092, 10.7613, 57.2212

Deuteranomaly

12.3293, 10.6475, 47.3043

Tritanomaly

9.6702, 10.2724, 31.1789

Monochromacy



Original Color

16.4519, 10.9398, 73.1960

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

7.4718, 7.0369, 21.3865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4519, 10.9398, 73.1960 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, 78, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 78, 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, 78, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 78, 226) }
```

Border

The CSS property to change the border of an element to XYZ 16.4519, 10.9398, 73.1960 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, 78, 226) }
```


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

```
.border{ border-color:rgb(0, 78, 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, 78, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 78, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 78, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 78, 226)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.4519, 10.9398, 73.1960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 78, 226) }
```

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

```
.background{ background-color: rgb(0, 78,  
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