

Converting Colors

XYZ(16.2828, 10.9514, 72.0614)

Have a look what the booklet for
XYZ(16.2828, 10.9514, 72.0614)
contains.

XYZ(16.2505, 10.9738, 71.7827)	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(16.2505, 10.9738,
71.7827)**

Conversions

Conversions Part 1

Format	Color
Hex	004FE0
RGB	0, 79, 224
RGB Percent	0%, 31%, 88%
CMY	0.9998, 0.6902, 0.1216
CMYK	1.00, 0.65, 0.00, 0.12
HSL	219°, 100%, 44%
HSV	219°, 100%, 88%
XYZ	16.2505, 10.9738, 71.7827
YIQ	71.9090, -93.6290, 28.3470

Conversions

Conversions Part 2

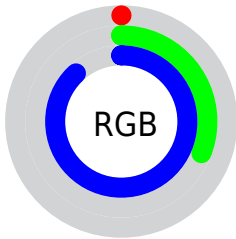
Format	Color
R _Y B	0, 58, 224
Decimal	20448
CIE Lab	39.54, 38.13, -78.31
CIE LCh	40, 87.104, 295.961
Yxy	10.9738, 0.1641, 0.1108
Android (android.graphics.Color)	4278210528 (0xFF004FE0)
YUV	71.9090, 74.9809, -63.0642
Hunter-Lab	33.1267, 29.5924, -105.2875

Details

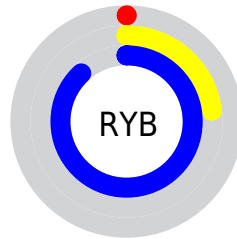
The XYZ color **16.2505, 10.9738, 71.7827** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **40.8746, 36.1148, 4.8180**, and the grayscale version is **6.0340, 6.3483, 6.9133**.

A 20% lighter version of the original color is **31.8326, 25.7841, 97.9068**, and **7.6059, 4.0518, 36.9404** is the 20% darker color. If you saturate the color by 10%, you get **16.2481, 10.9688, 71.7822**, and if you desaturate by 10%, it is **17.7542, 13.4748, 72.1865**.

Distribution



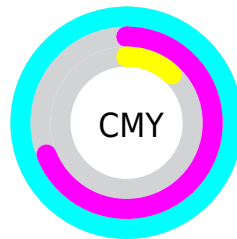
- Red (0%)
- Green (31%)
- Blue (88%)



- Red (0%)
- Yellow (23%)
- Blue (88%)



- Cyan (100%)
- Magenta (65%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (69%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2505, 10.9738, 71.7827 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 16.2505, 10.9738, 71.7827 by changing the saturation by 10% instead.

■ 16.2505, 10.9738,
71.7827

■ 16.2505, 10.9738,
71.7827

224.0568,
197.4877, 485.7421

■ 9.7936, 6.0492,
52.4954

■ 36.5865, 27.6117,
123.4524

■ 5.3235, 2.8750,
37.0152

■ 51.1962, 40.0938,
156.6719

■ 2.4750, 1.0668,
24.9234

■ 69.2543, 55.8639,
195.3725

■ 0.8827, 0.0000,
15.8015

■ 91.1260, 75.3064,
239.9729

■ 0.0000, 0.0000,
9.2309

■ 117.1768, 98.8056,
290.8915

■ 0.0000, 0.0000,
4.7933

147.7720,

■ 0.0000, 0.0000,

126.7459, 348.5469

2.0699

183.2768,
159.5119, 413.3575

■ 0.0000, 0.0000,
0.5977

■ 0.0000, 0.0000,
0.0000

■ 16.2505, 10.9738,
71.7827

■ 16.2505, 10.9738,
71.7827

■ 16.2481, 10.9688,
71.7822

■ 17.7542, 13.4748,
72.1865

■ 19.8935, 16.6628,
72.6891

■ 22.8090, 20.6286,
73.3009

■ 26.5849, 25.4332,
74.0293

■ 31.2934, 31.1299,
74.8807

■ 36.9984, 37.7673,
75.8612

■ 43.7577, 45.3896,
76.9762

■ 51.6248, 54.0382,
78.2309

■ 60.6489, 63.7519,
79.6302

Harmonies

Analogous

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



9.6486, 10.9738, 82.9194



16.2505, 10.9738, 71.7827



22.9959, 10.9738, 41.0736

Triad

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



16.2505, 10.9738, 71.7827



18.1899, 10.9738, 0.0000



2.6964, 10.9738, 9.7956

Complementary

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



16.2505, 10.9738, 71.7827



40.8746, 36.1148, 4.8180

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.



3.5543, 10.9738, 1.4126



16.2505, 10.9738, 71.7827



11.2531, 10.9738, 0.0000

Square

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



16.2505, 10.9738, 71.7827



24.3815, 10.9738, 2.6040



6.1978, 10.9738, 0.0000



3.1772, 10.9738, 32.6616

Rectangle

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



16.2505, 10.9738, 71.7827



25.8340, 10.9738, 21.7331



6.1978, 10.9738, 0.0000



2.8249, 10.9738, 5.6554

Sweetspot

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



16.2512, 10.9740, 71.7830



58.4685, 60.6311, 103.2291



31.5304, 55.2615, 34.5511



11.6556, 12.0157, 21.9549



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.



16.2512, 10.9740, 71.7830



21.6971, 14.5143, 96.2657



13.9880, 5.6577, 70.8762



13.3454, 14.0298, 17.3923



9.5556, 6.5807, 41.8149



0.7445, 0.6205, 2.9258

Inverse Universe

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



32.1524, 16.4130, 8.8703



43.0809, 21.9964, 11.6241



48.9404, 64.7997, 9.9297



13.9058, 13.7799, 15.2741



18.7634, 9.5724, 5.4199



1.3421, 0.6801, 0.5941

Previews

White Background



This preview shows how the XYZ color 16.2505, 10.9738, 71.7827 looks on a white background.

Color Contrast Check

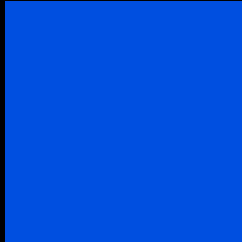
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2505, 10.9738, 71.7827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

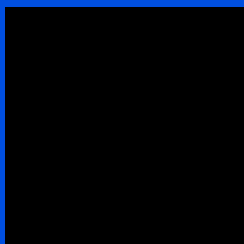
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.2505, 10.9738, 71.7827

Background



This preview shows how black text looks on a background with the XYZ color 16.2505, 10.9738, 71.7827.



This preview shows how white text looks on a background with the XYZ color 16.2505, 10.9738,

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

16.2505, 10.9738, 71.7827

Protanopia

12.7577, 10.8189, 49.5600

Deuteranopia

10.5252, 10.7576, 35.2399



Tritanopia

7.6106, 10.8046, 16.1524

Trichromacy



Original Color

16.2505, 10.9738, 71.7827

Protanomaly

13.9092, 10.7613, 57.2212

Deuteranomaly

12.2241, 10.6054, 46.7502

Tritanomaly

9.5886, 10.2398, 30.7493

Monochromacy



Original Color

16.2505, 10.9738, 71.7827

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

7.4736, 7.1453, 21.0640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2505, 10.9738, 71.7827 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, 79, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 79, 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, 79, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 79, 224) }
```

Border

The CSS property to change the border of an element to XYZ 16.2505, 10.9738, 71.7827 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, 79, 224) }
```


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

```
.border{ border-color:rgb(0, 79, 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, 79, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 79, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 79, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 79, 224)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.2505, 10.9738, 71.7827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 79, 224) }
```

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

```
.background{ background-color: rgb(0, 79,  
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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