

Converting Colors

XYZ(9.4102, 7.4498, 73.6768)

Have a look what the booklet for
XYZ(9.4102, 7.4498, 73.6768)
contains.

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Color

**XYZ(16.6611, 11.1380,
73.9448)**

Conversions

Conversions Part 1

Format	Color
Hex	004FE3
RGB	0, 79, 227
RGB Percent	0%, 31%, 89%
CMY	0.9998, 0.6902, 0.1098
CMYK	1.00, 0.65, 0.00, 0.11
HSL	219°, 100%, 45%
HSV	219°, 100%, 89%
XYZ	16.6611, 11.1380, 73.9448
YIQ	72.2510, -94.5920, 29.2800

Conversions

Conversions Part 2

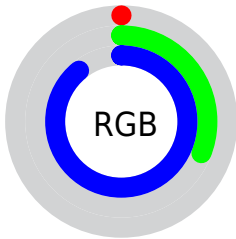
Format	Color
RYB	0, 59, 227
Decimal	20451
CIELab	39.81, 39.26, -79.57
CIELCh	40, 88.728, 296.262
Yxy	11.1380, 0.1638, 0.1095
Android (android.graphics.Color)	4278210531 (0xFF004FE3)
YUV	72.2510, 76.2913, -63.3641
Hunter-Lab	33.3736, 30.7086, -108.0052

Details

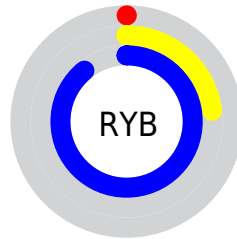
The XYZ color **16.6611, 11.1380, 73.9448** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **42.2783, 37.5297, 5.0173**, and the grayscale version is **6.0904, 6.4076, 6.9779**.

A 20% lighter version of the original color is **31.8326, 25.7841, 97.9068**, and **7.8866, 4.1640, 38.4183** is the 20% darker color. If you saturate the color by 10%, you get **16.6584, 11.1324, 73.9442**, and if you desaturate by 10%, it is **18.1982, 13.6957, 74.3578**.

Distribution



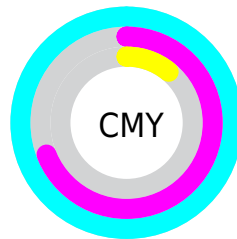
- Red (0%)
- Green (31%)
- Blue (89%)



- 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 16.6611, 11.1380, 73.9448 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 16.6611, 11.1380, 73.9448 by changing the saturation by 10% instead.

■ 16.6611, 11.1380,
73.9448

■ 16.6611, 11.1380,
73.9448

226.4063,
198.6119, 493.4411

■ 10.0870, 6.1597,
54.2523

■ 37.2904, 27.9151,
126.5509

■ 5.5194, 2.9425,
38.4089

■ 52.0763, 40.4827,
160.3016

■ 2.5929, 1.1018,
25.9959

■ 70.3302, 56.3488,
199.5754

■ 0.9424, 0.0000,
16.5948

■ 92.4173, 75.8979,
244.7910

■ 0.0000, 0.0000,
9.7872

■ 118.7032, 99.5144,
296.3668

■ 0.0000, 0.0000,
5.1543

149.5530,

■ 0.0000, 0.0000,

127.5826, 354.7214

2.2778

185.3323,
160.4870, 420.2734

■ 0.0000, 0.0000,
0.7187

■ 0.0000, 0.0000,
0.0000

■ 16.6611, 11.1380,
73.9448

■ 16.6611, 11.1380,
73.9448

■ 16.6584, 11.1324,
73.9442

■ 18.1982, 13.6957,
74.3578

■ 20.3944, 16.9679,
74.8737

■ 23.3941, 21.0487,
75.5032

■ 27.2848, 26.0015,
76.2542

■ 32.1415, 31.8824,
77.1333

■ 38.0303, 38.7416,
78.1469

■ 45.0114, 46.6257,
79.3007

■ 53.1400, 55.5777,
80.6002

■ 62.4674, 65.6382,
82.0505

Harmonies

Analogous

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



9.8408, 11.1380, 85.8505



16.6611, 11.1380, 73.9448



23.6202, 11.1380, 41.9299

Triad

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



16.6611, 11.1380, 73.9448



18.5157, 11.1380, 0.0000



2.6718, 11.1380, 10.0690

Complementary

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



16.6611, 11.1380, 73.9448



42.2783, 37.5297, 5.0173

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.



3.5277, 11.1380, 1.4084



16.6611, 11.1380, 73.9448



11.3686, 11.1380, 0.0000

Square

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



16.6611, 11.1380, 73.9448



24.9484, 11.1380, 2.5163



6.2032, 11.1380, 0.0000



3.1732, 11.1380, 33.8505

Rectangle

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



16.6611, 11.1380, 73.9448



26.5283, 11.1380, 21.9663



6.2032, 11.1380, 0.0000



2.7976, 11.1380, 5.7777

Sweetspot

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



16.6618, 11.1382, 73.9451



58.3827, 60.4596, 103.2005



32.7813, 57.0634, 37.1257



11.6356, 11.9757, 21.9482



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.



16.6618, 11.1382, 73.9451



21.5975, 14.3150, 96.2325



14.5288, 5.8891, 73.0444



13.9908, 14.7030, 18.2449



9.8137, 6.6895, 43.1571



0.8097, 0.6632, 3.2173

Inverse Universe

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



33.0906, 16.8967, 8.9142



43.0306, 21.9762, 11.3592



49.4514, 66.2707, 10.1868



14.5829, 14.4504, 16.0041



19.3470, 9.8730, 5.4564



1.4723, 0.7466, 0.6277

Previews

White Background



This preview shows how the XYZ color 16.6611, 11.1380, 73.9448 looks on a white background.

Color Contrast Check

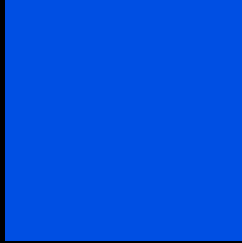
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6611, 11.1380, 73.9448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

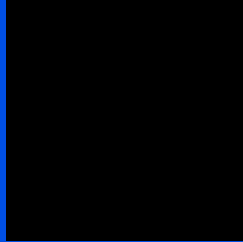
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6611, 11.1380, 73.9448

Background



This preview shows how black text looks on a background with the XYZ color 16.6611, 11.1380, 73.9448.



This preview shows how white text looks on a background with the XYZ color 16.6611, 11.1380,

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

16.6611, 11.1380, 73.9448

Protanopia

12.9504, 11.0300, 50.1616

Deuteranopia

10.7045, 10.9744, 35.7365



Tritanopia

7.7648, 11.0264, 16.4709

Trichromacy



Original Color

16.6611, 11.1380, 73.9448

Protanomaly

14.1073, 10.9674, 57.8733

Deuteranomaly

12.5191, 10.8575, 47.8903

Tritanomaly

9.8420, 10.4843, 31.6419

Monochromacy



Original Color

16.6611, 11.1380, 73.9448

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

7.5391, 7.1715, 21.4090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6611, 11.1380, 73.9448 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 79, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 79, 227) }
```

Border

The CSS property to change the border of an element to XYZ 16.6611, 11.1380, 73.9448 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, 227) }
```


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

```
.border{ border-color:rgb(0, 79, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 79, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 79, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 79, 227)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.6611, 11.1380, 73.9448 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, 227) }
```

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

```
.background{ background-color: rgb(0, 79,  
227) }
```

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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