

Converting Colors

XYZ(15.1366, 7.6074, 74.9213)

Have a look what the booklet for
XYZ(15.1366, 7.6074, 74.9213)
contains.

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Color

**XYZ(15.1199, 7.6111,
74.8009)**

Conversions

Conversions Part 1

Format	Color
Hex	002EE5
RGB	0, 46, 229
RGB Percent	0%, 18%, 90%
CMY	0.9997, 0.8196, 0.1020
CMYK	1.00, 0.80, 0.00, 0.10
HSL	228°, 100%, 45%
HSV	228°, 100%, 90%
XYZ	15.1199, 7.6111, 74.8009
YIQ	53.1080, -86.1590, 47.1610

Conversions

Conversions Part 2

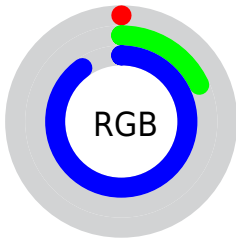
Format	Color
RYB	0, 38, 229
Decimal	12005
CIELab	33.16, 59.03, -91.72
CIELCh	33, 109.068, 302.764
Yxy	7.6111, 0.1550, 0.0780
Android (android.graphics.Color)	4278202085 (0xFF002EE5)
YUV	53.1080, 86.7148, -46.5757
Hunter-Lab	27.5882, 49.5487, -141.4433

Details

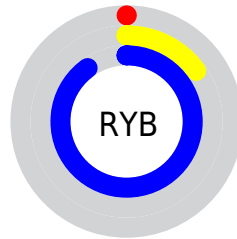
The XYZ color **15.1199, 7.6111, 74.8009** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **49.2622, 50.5554, 7.1637**, and the grayscale version is **3.3053, 3.4774, 3.7869**.

A 20% lighter version of the original color is **28.6978, 18.7839, 96.7209**, and **7.4464, 2.9786, 39.2122** is the 20% darker color. If you saturate the color by 10%, you get **15.1176, 7.6065, 74.8004**, and if you desaturate by 10%, it is **16.3459, 9.5397, 75.1088**.

Distribution



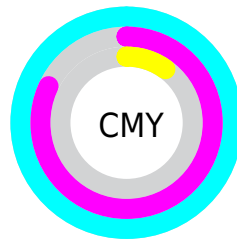
- Red (0%)
- Green (18%)
- Blue (90%)



- Red (0%)
- Yellow (15%)
- Blue (90%)



- Cyan (100%)
- Magenta (80%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (82%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1199, 7.6111, 74.8009 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 15.1199, 7.6111, 74.8009 by changing the saturation by 10% instead.

■ 15.1199, 7.6111,
74.8009

■ 15.1199, 7.6111,
74.8009

217.4648,
172.6491, 496.4701

■ 8.9904, 3.8471,
54.9490

■ 34.6333, 21.1924,
127.7750

■ 4.7920, 1.5884,
38.9626

■ 48.7480, 31.7786,
161.7343

■ 2.1592, 0.3498,
26.4230

■ 66.2551, 45.4076,
201.2332

■ 0.7211, 0.0000,
16.9118

■ 87.5200, 62.4638,
246.6902

■ 0.0000, 0.0000,
10.0103

■ 112.9081, 83.3317,
298.5238

■ 0.0000, 0.0000,
5.3001

■ 142.7847,

■ 0.0000, 0.0000,

108.3956, 357.1527

2.3626

177.5151,
138.0399, 422.9953

■ 0.0000, 0.0000,
0.7660

■ 0.0000, 0.0000,
0.0000

■ 15.1199, 7.6111,
74.8009

■ 15.1199, 7.6111,
74.8009

■ 15.1176, 7.6065,
74.8004

■ 16.3459, 9.5397,
75.1088

■ 18.3269, 12.3614,
75.5491

■ 21.2258, 16.2042,
76.1380

■ 25.1462, 21.1610,
76.8881

■ 30.1767, 27.3134,
77.8105

■ 36.3962, 34.7351,
78.9153

■ 43.8760, 43.4934,
80.2116

■ 52.6819, 53.6510,
81.7081

■ 62.8747, 65.2664,
83.4128

Harmonies

Analogous

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



7.7863, 7.6111, 98.9117



15.1199, 7.6111, 74.8009



22.4054, 7.6111, 33.2440

Triad

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



15.1199, 7.6111, 74.8009



13.6454, 7.6111, 0.0000



0.8297, 7.6111, 9.9277

Complementary

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



15.1199, 7.6111, 74.8009



49.2622, 50.5554, 7.1637

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.



1.1540, 7.6111, 0.5073



15.1199, 7.6111, 74.8009



6.7087, 7.6111, 0.0000

Square

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



15.1199, 7.6111, 74.8009



21.2802, 7.6111, 0.0000



2.7164, 7.6111, 0.0000



1.3198, 7.6111, 40.4568

Rectangle

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



15.1199, 7.6111, 74.8009



24.9378, 7.6111, 13.0052



2.7164, 7.6111, 0.0000



0.8478, 7.6111, 4.8754

Sweetspot

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



15.1205, 7.6111, 74.8012



55.7828, 55.2597, 102.3339



36.1973, 59.3101, 52.3995



11.0331, 10.7707, 21.7474



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.



15.1205, 7.6111, 74.8012



19.2407, 9.6014, 95.4469



16.3191, 6.7801, 74.5776



13.8158, 14.3530, 18.1866



8.7113, 4.4847, 42.7897



0.7086, 0.4611, 3.1836

Inverse Universe

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



32.8070, 16.8567, 4.1087



41.8410, 21.5004, 5.0948



43.3577, 63.9460, 10.0595



14.4946, 14.4150, 15.5391



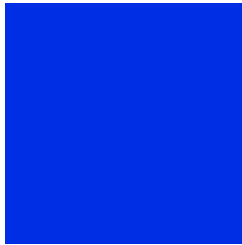
18.7906, 9.6504, 2.5262



1.4213, 0.7262, 0.3591

Previews

White Background



This preview shows how the XYZ color 15.1199, 7.6111, 74.8009 looks on a white background.

Color Contrast Check

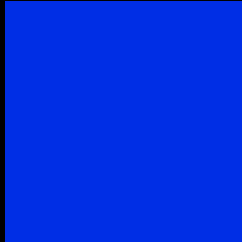
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 15.1199, 7.6111, 74.8009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

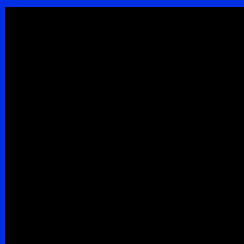
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.1199, 7.6111, 74.8009

Background



This preview shows how black text looks on a background with the XYZ color 15.1199, 7.6111, 74.8009.



This preview shows how white text looks on a background with the XYZ color 15.1199, 7.6111,

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

15.1199, 7.6111, 74.8009

Protanopia

8.6876, 7.5008, 33.3377

Deuteranopia

7.1717, 7.4586, 23.6159



Tritanopia

5.2161, 7.4109, 11.0531

Trichromacy



Original Color

15.1199, 7.6111, 74.8009

Protanomaly

10.4851, 7.1275, 46.1705

Deuteranomaly

9.2286, 6.9988, 38.4006

Tritanomaly

7.0610, 6.4296, 26.0682

Monochromacy



Original Color

15.1199, 7.6111, 74.8009

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.0112, 3.9056, 17.3194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1199, 7.6111, 74.8009 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, 46, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 46, 229)  
}
```

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, 46, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 46, 229) }
```

Border

The CSS property to change the border of an element to XYZ 15.1199, 7.6111, 74.8009 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, 46, 229) }
```


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

```
.border{ border-color:rgb(0, 46, 229) }
```

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

Here you see how a box with a 4 pixel rgb(0, 46, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 46, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 46, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 46, 229)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.1199, 7.6111, 74.8009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 46, 229) }
```

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

```
.background{ background-color: rgb(0, 46,  
229) }
```

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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